Saskatchewan
Health

Vital Statistics

Saskatchewan Accident Statistics

1985

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INTRODUCTION

The annual toll taken by accidents in terms of both deaths and injuries has only relatively recently come to the attention of the public. Accidents are a significant cause of death and disability for nearly all age groups, and in some age groups accidents represent the leading cause of death and hospital admission. The purpose of this report is to provide a broad overview of accidents in Saskatchewan.

Saskatchewan Accident Statistics is an annual publication of the Department of Health and provides information concerning the entire population. Data have been presented in graphic form in addition to tabular form.

There are two sources of data available on accidents in Saskatchewan: Statistics Canada data on deaths (mortality), and Hospital Services Branch data on hospital admissions. Both of these data sources use the External Cause or "E" codes of the International Classification of Diseases to define accidents. Unfortunately, there are no data relating to visits made to either physician's offices, emergency wards of hospitals (where no admission takes place), or other outpatient clinics. These omissions are a serious gap in the overall accident picture. Many minor and major accidents (e.g. a broken leg) may not result in hospital admission. Thus, it is not possible to present as complete a picture of morbidity as is desirable.

The first two sections of the report deal with mortality and hospital admissions, respectively. The third section focusses on motor vehicle accidents, while the fourth provides information on interprovincial comparisons. The final section lists population data from 1964 to 1988. Detailed listings of mortality and hospital data by individual "E" code can be found in Appendices A and B, respectively. Appendix C provides an explanation of the accident classifications ("E" code groupings) used in this report.

The mortality data are for the year 1985 and are "final". In years previous to 1982, preliminary data have been used. Because of the significant differences between the preliminary and final data, it was decided to no longer use preliminary data. Hospital data are for the fiscal year 1984-1985 (April 1, 1984 to March 31, 1985). Thus, the mortality and hospital data cover slightly different time periods. The next report will include 1986 mortality data and 1985-1986 hospital data.

Beginning in 1984-85, the collection of hospital admission/separation data was provided to the Hospital Services Branch through H.M.R.I. (Hospital Medical Records Institute). Statistics shown in this publication may vary from previous years due to this change in the methods of processing the data.

Should you have any questions or comments concerning the report, please contact:

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Mortality

Saskatchewan

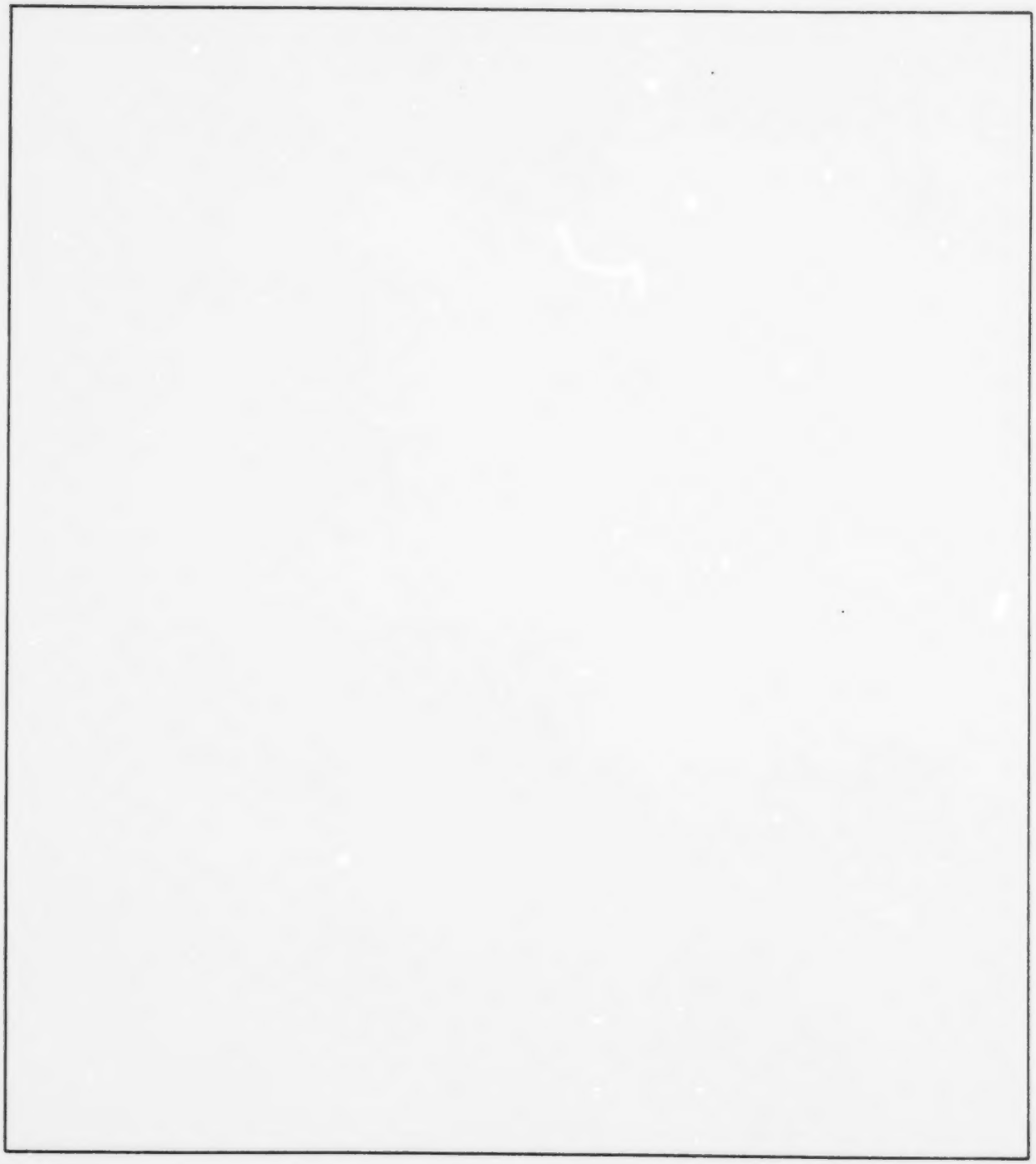


TABLE 1

Mortality and Accidental Mortality in Saskatchewan
1950-1985

GROUP	CAUSE	1950		1960		1970		1980		1984		1985	
		Number	Rate+	Number	Rate+	Number	Rate+	Number	Rate+	Number	Rate+	Number	Rate+
Total Population	All Causes	6,243	749.4	6,878	750.6	7,472	794.0	7,651	796.1	7,710	766.2	8,031	787.7
	Accidents	364	43.7	455	49.7	469	49.8	567	59.0	476	47.3	482	47.3
0 - 1	All Causes	690	3538.5	637	2687.8	386	2271.6	193	1155.7	169	1036.8	200	1129.9
	Accidents	27	138.5	26	109.7	19	117.3	6	35.9	8	49.1	5	28.2
1 - 4	All Causes	158	204.1	121	134.4	70	101.1	50	78.0	38	55.9	33	48.8
	Accidents	39	50.4	41	45.5	20	28.9	21	32.8	18	26.5	11	16.3
5 - 9	All Causes	72	89.4	47	45.0	40	38.6	32	41.4	21	26.0	21	25.5
	Accidents	17	21.1	18	17.2	15	14.5	22	28.5	15	18.6	11	13.4
10 - 14	All Causes	37	49.7	29	32.2	36	34.8	23	28.2	18	22.7	26	32.7
	Accidents	9	12.1	14	15.5	16	15.5	11	13.5	13	16.4	11	13.9
15 - 24	All Causes	150	109.1	131	101.6	197	118.8	230	123.5	163	90.4	170	95.5
	Accidents	52	37.8	72	55.8	117	70.6	150	80.5	94	52.1	92	51.7
25 - 64	All Causes	1,750	462.0	1,537	391.7	1,743	447.9	1,677	397.2	1,596	348.6	1,612	344.4
	Accidents	123	32.5	157	40.0	189	48.6	206	48.8	203	44.3	203	43.4
65 - 74	All Causes	1,551	3335.5	1,638	3114.1	1,421	2691.3	1,617	2364.0	1,656	2259.2	1,776	2371.2
	Accidents	43	92.5	43	81.7	28	53.0	49	71.6	39	53.2	46	61.4
75+	All Causes	1,835	9972.8	2,726	9026.5	3,596	8901.0	3,829	8546.9	4,049	7986.2	4,193	8063.5
	Accidents	54	293.5	83	274.8	65	160.9	102	227.7	86	169.6	103	198.1

Source: Statistics Canada

+Rate per 100,000 population (Statistics Canada Population)

TABLE 2

Accidental Mortality in Saskatchewan
Per Cent of Deaths Caused by Accidents
By Age Group, 1950 - 1985

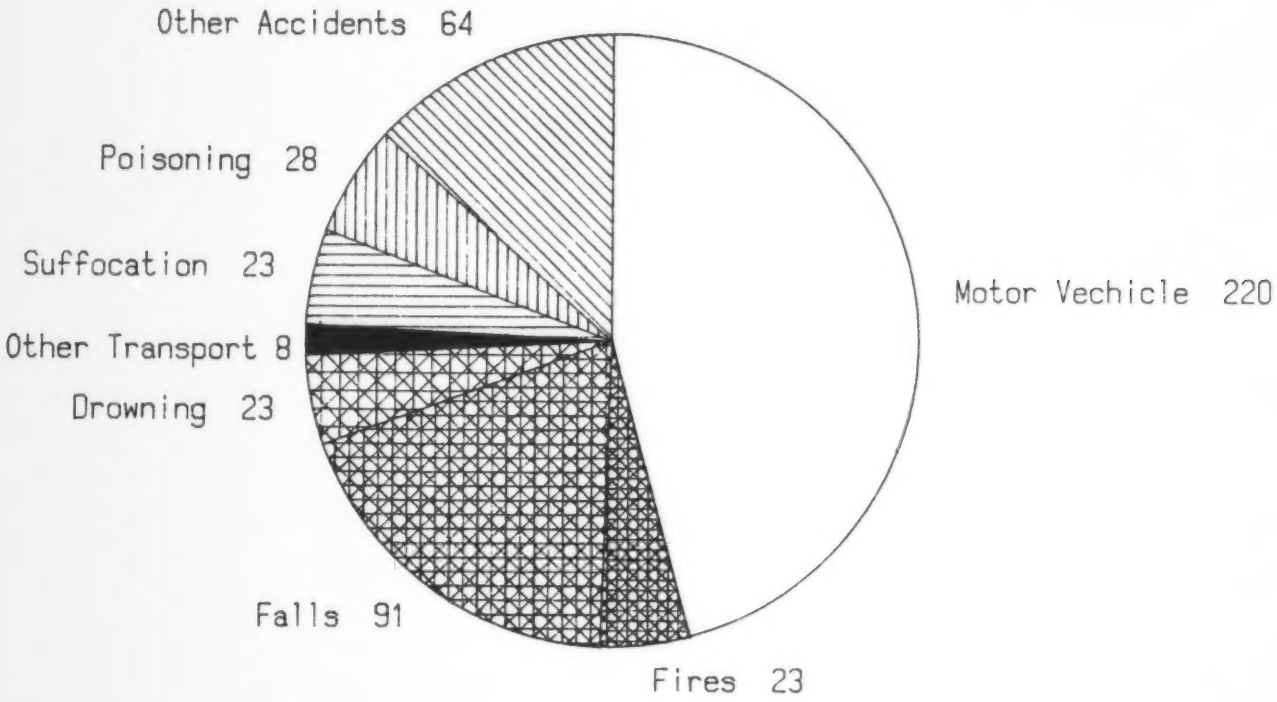
Age Group	1950	1960	1970	1980	1984	1985
Total Population	5.8%	6.6%	6.3%	7.4%	6.2%	6.0%
0 - 1	3.9	4.1	5.2	3.1	4.7	2.5
1 - 4	24.7	33.9	28.6	42.0	47.4	33.3
5 - 9	23.6	38.3	37.5	68.7	71.4	52.4
10 - 14	24.3	48.3	44.4	47.8	72.2	42.3
15 - 24	34.7	54.9	59.4	65.2	57.7	54.1
25 - 64	7.0	10.2	10.8	12.3	12.7	12.6
65 - 74	2.8	2.6	2.0	3.0	2.4	2.6
75+	2.9	3.0	1.8	2.7	2.1	2.5

Source: Statistics Canada

In 1985, 482 people died because of accidents, representing 6.0% of all deaths occurring during the year. Table 1 illustrates trends in mortality from accidents and from all causes (including accidents) since 1950. The mortality rate for the entire population has increased over this period of time. Mortality rates for specific age groups, however, have decreased. The most dramatic decline is for those under one year of age. These increases and decreases have occurred at the same time due to changes in the age and sex structure of the population.

Table 2 shows the importance of accidents in mortality among various age groups. The significance of accidents has increased for all age groups with the exception of those under one year of age and those aged 65 and over. The apparent decline in the under 1 group is largely due to improved diagnosis. Prior to 1972, deaths from Sudden Infant Death Syndrome were included as suffocation in accident data.

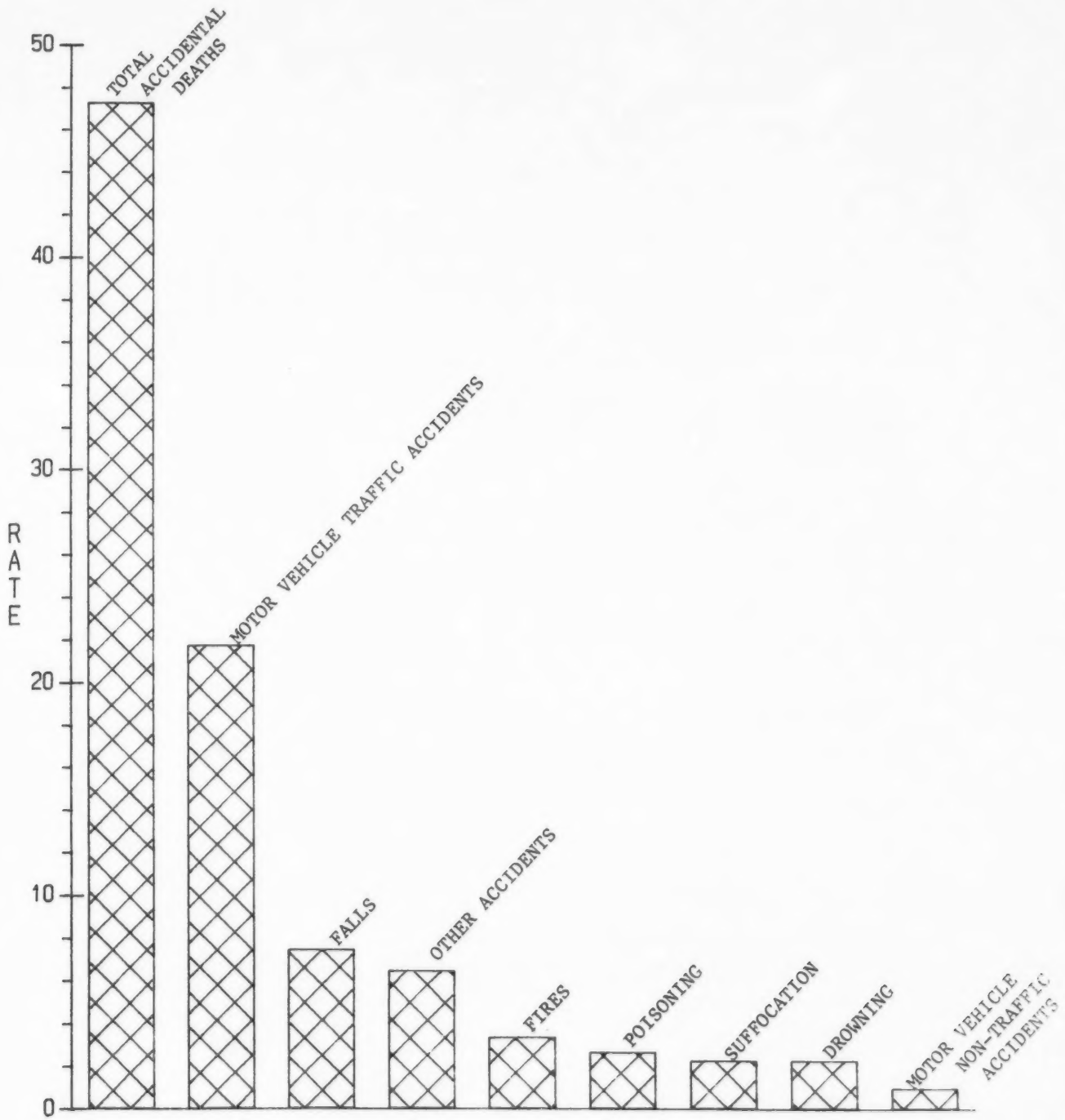
FIGURE 1 NUMBER OF ACCIDENTAL DEATHS BY CAUSE, SASKATCHEWAN 1985



SOURCE: STATISTICS CANADA

This graph shows the relative significance of various types of accidents. The numbers indicate the number of deaths in 1985. Motor vehicle deaths represent 45.6% of the total. Falls, which are the second leading cause of accidental death, account for 18.9%. "Other Accidents" include a wide variety of events which cannot be readily categorized. Figure 2 details accident rates by types of accidents.

FIGURE 2 ACCIDENT MORTALITY RATES BY CAUSE, SASKATCHEWAN
THREE YEAR AVERAGE, 1983 - 1985



SOURCE: STATISTICS CANADA

TABLE 3

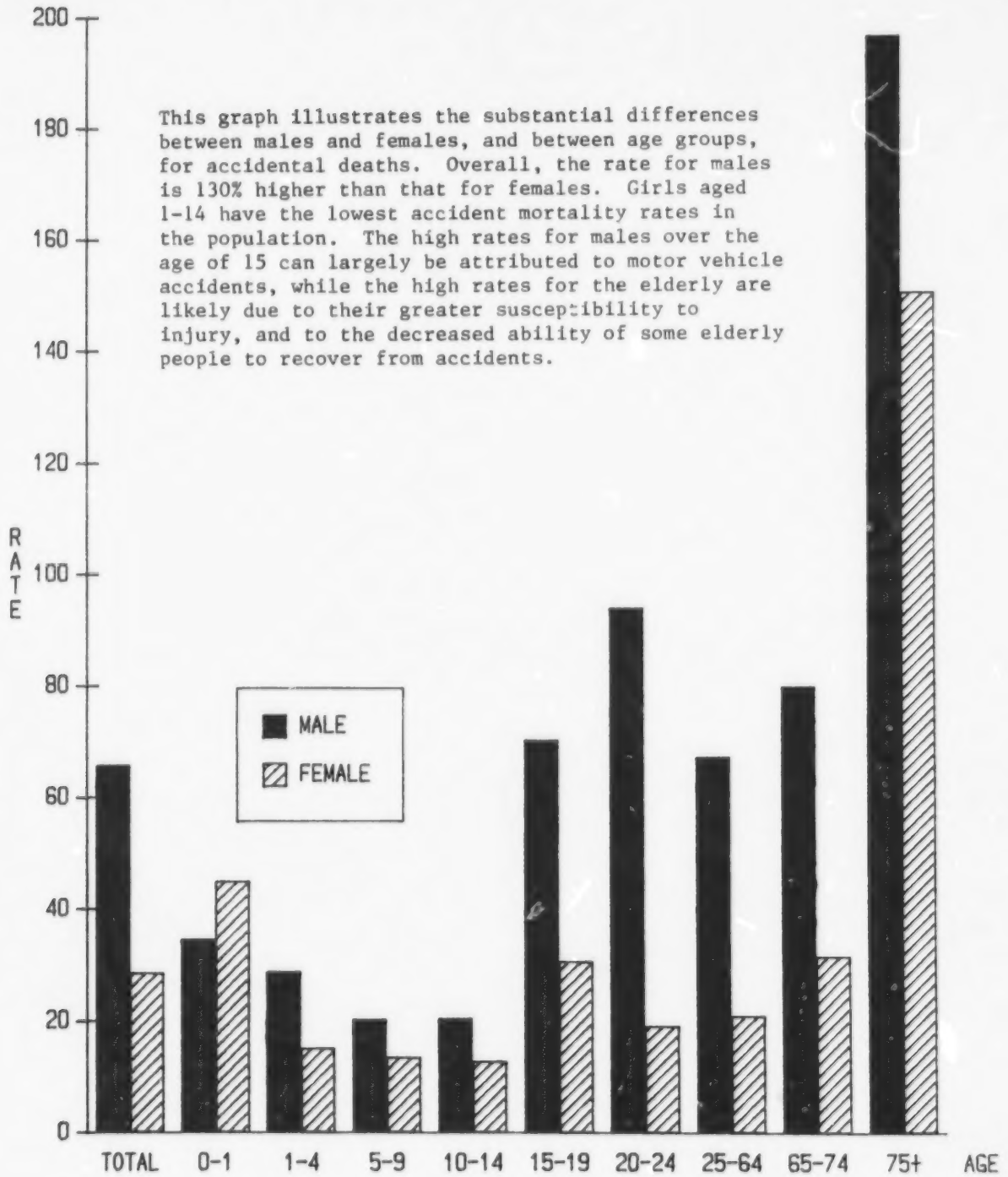
Accidental Deaths by Cause and Sex
Saskatchewan, 1977-1985

Cause of Death	Sex	1977	1978	1979	1980	1981	1982	1983	1984	1985
Total Accidental Deaths	Total	569	547	585	567	528	531	469	476	482
	Male	404	393	415	403	403	379	336	325	334
	Female	165	154	170	164	125	152	133	151	148
Motor Vehicle Traffic Accidents	Total	263	253	250	246	265	239	226	222	209
	Male	188	184	173	176	211	179	171	158	145
	Female	75	69	77	70	54	60	55	64	64
Motor Vehicle Non-Traffic Accidents	Total	10	4	22	10	14	9	9	9	11
	Male	9	2	16	9	13	7	8	7	10
	Female	1	2	6	1	1	2	1	2	1
Other Transportation	Total	13	18	16	23	9	14	4	9	8
	Male	12	15	13	20	7	12	2	9	7
	Female	1	3	3	3	2	2	2	-	1
Fires	Total	33	40	53	41	32	36	31	23	23
	Male	21	24	37	28	24	25	21	17	21
	Female	12	16	16	13	8	11	10	6	2
Drowning	Total	36	40	43	37	30	22	20	23	25
	Male	33	31	40	33	24	21	17	20	17
	Female	3	9	3	4	6	1	3	3	8
Suffocation	Total	35	26	21	16	16	35	24	23	23
	Male	20	17	16	10	11	27	18	14	17
	Female	15	9	5	6	5	8	6	9	6
Poisoning	Total	23	25	16	21	18	27	30	23	28
	Male	12	19	10	15	9	16	20	16	16
	Female	11	6	6	6	9	11	10	7	12
Falls	Total	87	76	99	107	88	87	60	76	91
	Male	52	47	53	60	54	45	27	33	48
	Female	35	29	46	47	34	42	33	43	43
Other Accidents	Total	69	65	65	66	56	62	65	68	64
	Male	57	54	57	52	50	47	52	51	53
	Female	12	11	8	14	6	15	13	17	11

Source: Statistics Canada

This table shows differences between males and females by type of accident from 1977 to 1985. These data have remained fairly constant over this time period. Higher mortality for males can be found in nearly all accident categories. Differences are particularly evident in motor vehicle accidents, fires, drowning and suffocation.

FIGURE 3 AGE AND SEX SPECIFIC RATES OF MORTALITY FROM ACCIDENTS SASKATCHEWAN, 1983 TO 1985 AVERAGE


This graph illustrates the substantial differences between males and females, and between age groups, for accidental deaths. Overall, the rate for males is 130% higher than that for females. Girls aged 1-14 have the lowest accident mortality rates in the population. The high rates for males over the age of 15 can largely be attributed to motor vehicle accidents, while the high rates for the elderly are likely due to their greater susceptibility to injury, and to the decreased ability of some elderly people to recover from accidents.
RATE
200
180
160
140
120
100
80
60
40
20
0
MALE
FEMALE
TOTAL
0-1
1-4
5-9
10-14
15-19
20-24
25-64
65-74
75+
AGE

RATE PER 100,000 POPULATION (STATISTICS CANADA POPULATION)
SOURCE: STATISTICS CANADA

TABLE 4

Accident Mortality By Cause and Age Group
Saskatchewan, 1983-1985

Cause of Death	Total Population No.	Rate+	0-1 No.	Rate+	1-4 No.	Rate+	5-9 No.	Rate+	10-14 No.	Rate+	15-19 No.	Rate+	20-24 No.	Rate+	25-64 No.	Rate+	65-69 No.	Rate+	70-74 No.	Rate+	75-79 No.	Rate+	80+ No.	Rate+
Total Deaths																								
1983	469	47.2	7	41.7	16	23.9	15	19.0	16	20.1	48	54.4	58	62.8	203	45.4	18	44.3	17	52.6	17	73.3	54	206.1
1984	476	47.3	8	49.1	18	26.5	15	18.6	13	16.4	44	52.1	50	52.1	203	44.3	16	39.9	23	69.3	24	101.3	62	229.6
1985	482	47.3	5	28.2	11	16.3	11	13.4	11	13.9	38	46.8	54	55.8	203	43.4	19	46.9	27	78.5	29	119.3	74	267.1
3 Year Average	466	47.3	7	39.7	15	22.2	14	17.0	13	16.8	43	51.1	54	56.9	203	44.4	18	43.7	22	66.8	23	98.0	63	234.3
Motor Vehicle Traffic																								
1983	226	22.8	1	6.0	1	1.5	10	12.6	5	6.3	34	38.5	39	42.3	104	23.2	9	22.2	7	21.7	8	34.5	8	30.5
1984	222	22.1	2	12.3	4	5.9	7	8.7	10	12.6	31	36.7	32	33.4	110	24.0	4	10.0	10	30.1	7	29.5	5	18.5
1985	209	20.5	-	-	3	4.4	8	9.7	7	8.8	29	35.7	33	34.1	92	19.7	9	22.2	10	29.1	9	37.0	9	32.5
3 Year Average	219	21.8	1	6.1	3	3.9	8	10.3	7	9.2	31	37.0	35	36.6	102	22.3	7	18.1	9	27.0	8	33.7	7	27.2
Motor Vehicle Non-Traffic																								
1983	9	1.0	-	-	4	6.0	1	1.3	1	1.3	-	-	-	-	3	*	-	-	-	-	-	-	-	-
1984	9	*	-	-	3	4.4	-	-	-	-	3	3.6	1	1.0	2	*	-	-	-	-	-	-	-	-
1985	11	1.1	-	-	-	-	1	1.2	-	-	1	1.2	1	1.0	6	1.3	-	-	1	2.9	1	4.1	-	-
3 Year Average	10	*	-	-	2	3.5	*	*	*	*	1	1.6	*	*	4	*	-	-	*	*	*	1.4	-	-
Other Transport																								
1983	4	*	-	-	-	-	-	-	1	1.2	-	-	2	2.2	1	*	-	-	-	-	-	-	-	-
1984	9	*	-	-	-	-	-	-	1	1.3	-	-	2	2.1	6	1.3	-	-	-	-	-	-	-	-
1985	8	*	-	-	-	-	-	-	-	-	-	-	2	2.1	6	1.3	-	-	-	-	-	-	-	-
3 Year Average	7	*	-	-	-	-	-	-	*	*	-	-	2	2.1	4	*	-	-	-	-	-	-	-	-
Fires																								
1983	31	3.1	-	-	5	7.5	2	2.5	2	2.5	1	1.1	6	6.5	11	2.5	-	-	2	6.2	-	-	2	7.6
1984	23	2.3	-	-	3	4.4	3	3.7	-	-	1	1.2	3	3.1	8	1.7	2	5.0	-	-	1	4.2	2	7.4
1985	23	4.9	1	5.6	3	4.4	-	-	-	-	2	2.5	3	3.1	11	2.3	1	2.5	-	-	1	4.1	1	3.6
3 Year Average	26	3.4	*	1.9	4	5.4	2	2.1	*	*	1	1.6	4	4.2	10	2.2	1	2.5	*	2.1	*	2.8	2	6.2
Drowning																								
1983	20	2.0	-	-	5	7.5	-	-	-	-	4	4.5	3	3.3	6	1.3	1	2.5	-	-	-	-	1	3.8
1984	23	2.3	-	-	4	5.9	-	-	1	1.3	4	4.7	3	3.1	11	2.4	-	-	-	-	-	-	-	-
1985	25	2.5	1	5.6	3	4.4	2	2.4	2	2.5	2	2.5	2	2.1	9	1.9	2	4.9	1	2.9	1	4.1	-	-
3 Year Average	23	2.3	*	1.9	4	5.9	*	*	1	1.3	3	3.9	3	2.8	9	1.9	1	2.5	*	*	*	1.4	*	1 .3

Cause of Death	Total Population No.	Rate+	0-1 No.	Rate+	1-4 No.	Rate+	5-9 No.	Rate+	10-14 No.	Rate+	15-19 No.	Rate+	20-24 No.	Rate+	25-64 No.	Rate+	65-69 No.	Rate+	70-74 No.	Rate+	75-79 No.	Rate+	80+ No.	Rate+
Suffocation																								
1983	24	2.4	5	29.8	-	-	-	-	1	1.3	-	-	-	-	11	2.5	-	-	1	3.1	3	12.9	3	11.5
1984	23	2.3	5	30.7	1	1.5	1	1.2	1	1.3	1	1.2	-	-	7	1.5	1	2.5	2	6.0	1	4.2	3	11.1
1985	23	2.3	3	16.9	2	3.0	-	-	-	-	2	2.5	1	1.0	10	2.1	1	2.5	1	2.9	2	8.2	1	3.6
3 Year Average	23	2.3	4	25.8	1	1.5	*	*	*	*	1	1.2	*	*	9	2.0	*	1.7	1	4.0	2	8.4	2	8.7
Poisoning																								
1983	30	3.0	-	-	-	-	-	-	-	-	2	2.3	3	3.3	22	4.9	-	-	-	-	3	12.9	-	-
1984	23	2.3	1	6.1	-	-	-	-	-	-	-	-	3	3.1	17	3.7	2	5.0	-	-	-	-	-	-
1985	28	2.7	-	-	-	-	-	-	-	-	1	1.2	2	2.1	20	4.3	1	2.5	3	8.7	1	4.1	-	-
3 Year Average	27	2.7	*	2.0	-	-	-	-	-	-	1	1.2	3	2.8	20	4.3	1	2.5	1	2.9	1	5.7	-	-
Falls																								
1983	60	6.0	-	-	-	-	-	-	1	1.3	-	-	2	2.2	14	3.1	4	9.9	2	6.2	1	4.3	36	137.4
1984	76	7.6	-	-	-	-	1	1.2	-	-	-	-	1	1.0	9	2.0	2	5.0	5	15.1	10	42.2	48	177.8
1985	91	8.9	-	-	-	-	-	-	-	-	-	-	-	-	17	3.6	3	7.4	5	14.5	9	37.0	57	205.8
3 Year Average	76	7.5	-	-	-	-	*	*	*	*	-	-	1	1.1	13	2.9	3	7.4	4	11.9	7	27.8	43	173.7
Other Accidents																								
1983	65	6.5	1	6.0	1	1.5	2	2.5	5	6.3	7	8.0	3	3.3	31	6.9	4	9.9	5	15.5	2	8.6	4	15.3
1984	68	6.8	-	-	3	4.4	3	3.7	-	-	4	4.7	5	5.2	33	7.2	5	12.5	6	18.1	5	21.1	4	14.8
1985	64	6.3	-	-	-	-	-	-	2	2.5	1	1.2	10	10.3	32	6.8	2	4.9	6	17.4	5	20.6	6	21.7
3 Year Average	66	6.5	*	2.0	1	2.0	2	2.1	2	2.9	4	4.6	6	6.3	32	7.0	3	9.1	6	17.0	4	16.8	5	17.3

Source: Statistics Canada

+Rate per 100,000 population

*Less than 1

This table presents three years' data by age group and by type of accident. Because the number of events occurring within a particular category may fluctuate considerably from one year to the next, a 3 year average is shown. The types of accidents from which deaths result vary from one age group to another. For those under one year of age suffocation and motor vehicle accidents are most common. Motor vehicle accidents are a leading cause of accidental death for all age groups. Falls are the leading cause of accidental death for those aged 80 and over. The differences between age groups are due to a large number of factors including development, activities and health status.

TABLE 5

Selected Causes of Death Due to Accidental Injury
by Place of Occurrence, Saskatchewan, 1985

Type of Accidental Death	Home	Farm	Mine & Quarry	Industrial	Recreation & Sport	Street & Highway	Public Building	Residential Institution	Other Specified	Unspecified	Total
Accidental Poisoning By Drugs, Medicaments and Biologicals	9	-	-	-	-	-	1	-	2	2	14
Accidental Poisoning By Other Solid & Liquid Substances, Gases & Vapours	7	3	-	-	-	1	-	-	-	3	14
Accidental Falls	44	1	-	-	2	3	1	23	3	14	91
Accidents Caused By Fire & Flames	23	-	-	-	-	-	-	-	-	-	23
Accidents Due to Natural and Environmental Factors	5	1	-	-	1	1	-	-	4	5	17
Submersion, Suffocation & Foreign Bodies	18	2	1	-	1	-	1	1	10	12	46
Other Accidents	4	16	1	5	-	2	2	1	2	1	34
Total	110	23	2	5	4	7	5	25	21	37	239

Source: Statistics Canada

A limited amount of data is available on where deaths caused by accidents occurred. Unfortunately in many cases the location is not specified (the proportion varies with each type of accidental death). Motor vehicle and other transportation accidental deaths are not included in these data.

It is interesting to note that almost half of the deaths occurred in the home. Deaths caused by falls, which account for approximately one third of the deaths due to accidental injury, occur predominately in the home and in residential institutions. If these data were broken down by age they would likely reveal where different age groups spend much of their time, and where they are "exposed" to the danger of certain types of accidents resulting in death.

Saskatchewan Health

Hospital Admissions

Saskatchewan

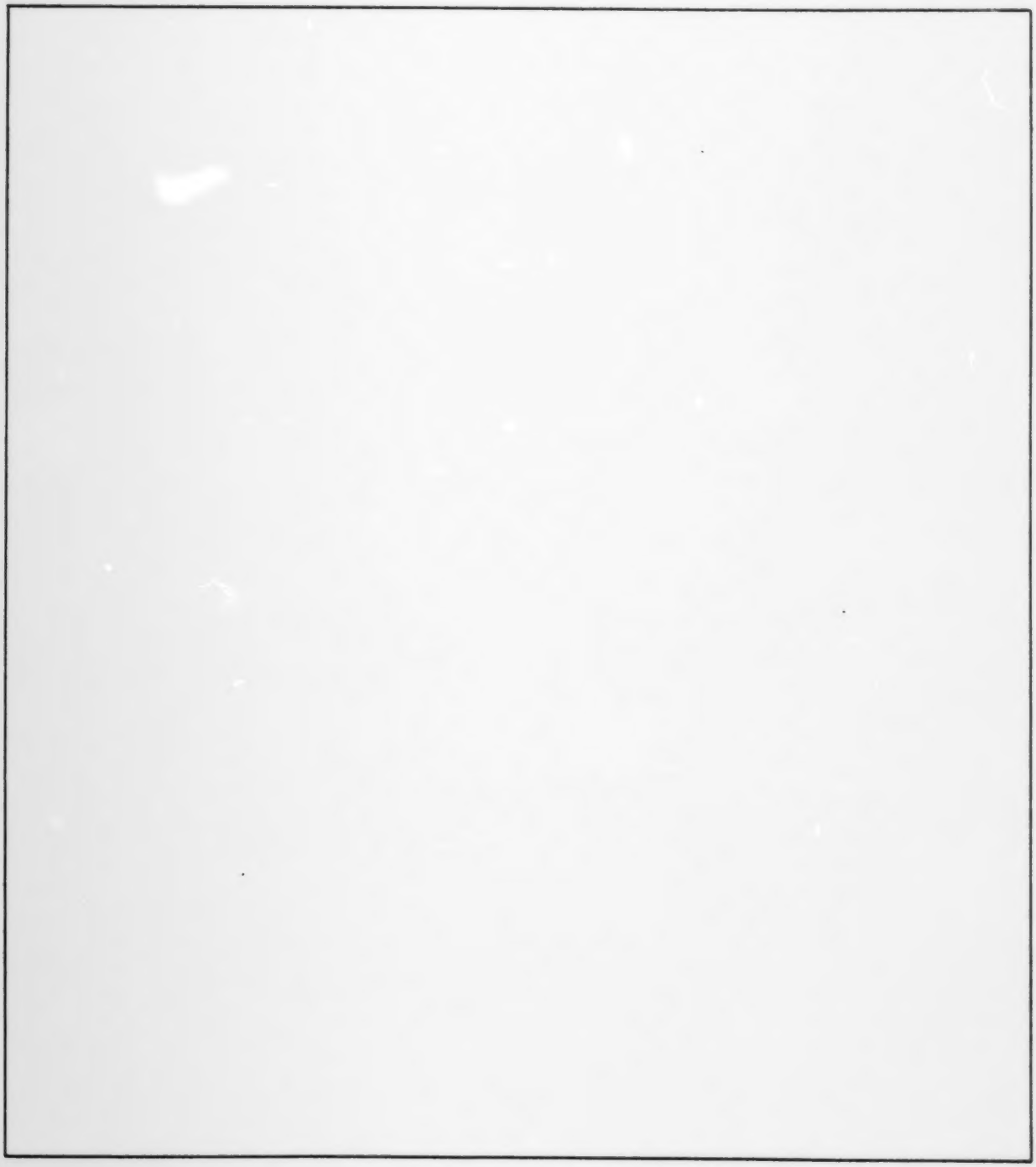


TABLE 6

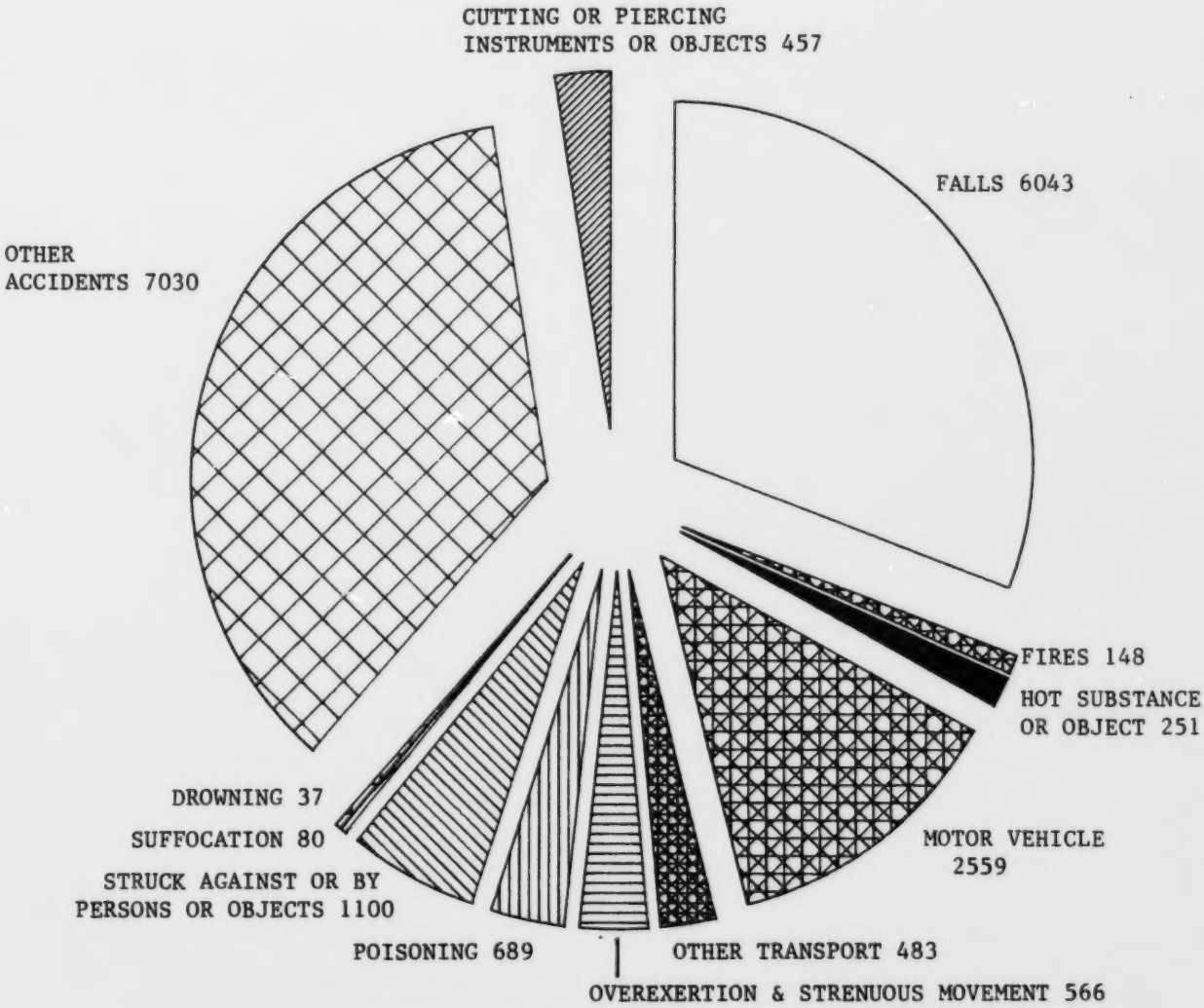
Hospital Separations, Patient Days
and Average Days of Stay
Saskatchewan, 1981-82 to 1984-85

	1981-82	1982-83	1983-84	1984-85
Total Population*	990,746	1,000,667	1,014,496	1,028,965
Separations - All Causes	214,388	221,466	219,451	217,450
Separations Per 1,000 Population	216.4	221.3	216.3	211.3
Separations Due To Accidental Injuries	14,397	14,728	14,712	19,443
Separations Per 1,000 Population	14.53	14.72	14.50	18.90
Per Cent of Total Separations Due to Accidental Injuries	6.72	6.65	6.70	8.94
Patient Days - All Causes	1,712,231	1,659,593	1,657,473	1,637,154
Average Length of Stay	8.00	7.49	7.55	7.50
Patient Days - Accidental Injuries	115,715	111,424	109,673	164,621
Average Length of Stay	8.04	7.57	7.45	8.47
Per Cent of Total Patient Days Due to Accidental Injury	6.76	6.71	6.62	10.06

*Health Insurance Registration Covered Population
Source: Hospital Services Branch

In 1984-85 there were 19,443 people admitted to a hospital because of accidental injuries. As noted in the Introduction, hospital separations only provide a partial picture of accidental injuries. In Table 6 hospital data are shown for the years 1981-82 to 1984-85. The total number of separations in 1984-85 was higher than the previous year, but there is no clear trend evident in separations per 1,000 population for accidental injuries. The average length of stay is an indicator of severity of injury. Once again no trend is evident. Medical practice has changed over the years, and as a result many injuries which would previously have required a hospital stay are now treated on an outpatient basis.

FIGURE 4 NUMBER OF HOSPITAL SEPARATIONS BY TYPE OF ACCIDENT, SASKATCHEWAN 1984-85



SOURCE: HOSPITAL SERVICES BRANCH

Figure 4 shows the proportion of separations for various types of accidents. These data are quite different from the mortality data. Falls accounted for 32.1% of all separations due to accidents, while motor vehicle accidents accounted for only 13.6%. Suffocation and drowning are significant causes of death, but not hospital admission. In both cases an event may result in either death or simply a "close call" requiring only minimal treatment. Two categories which do not appear in mortality data are "Struck Against" and "Overexertion". Both of these categories are likely related to sports and recreation accidents.

TABLE 7

Age and Sex Specific Rates of Hospitalization
Due to Accidental Injury, Saskatchewan, 1984-85

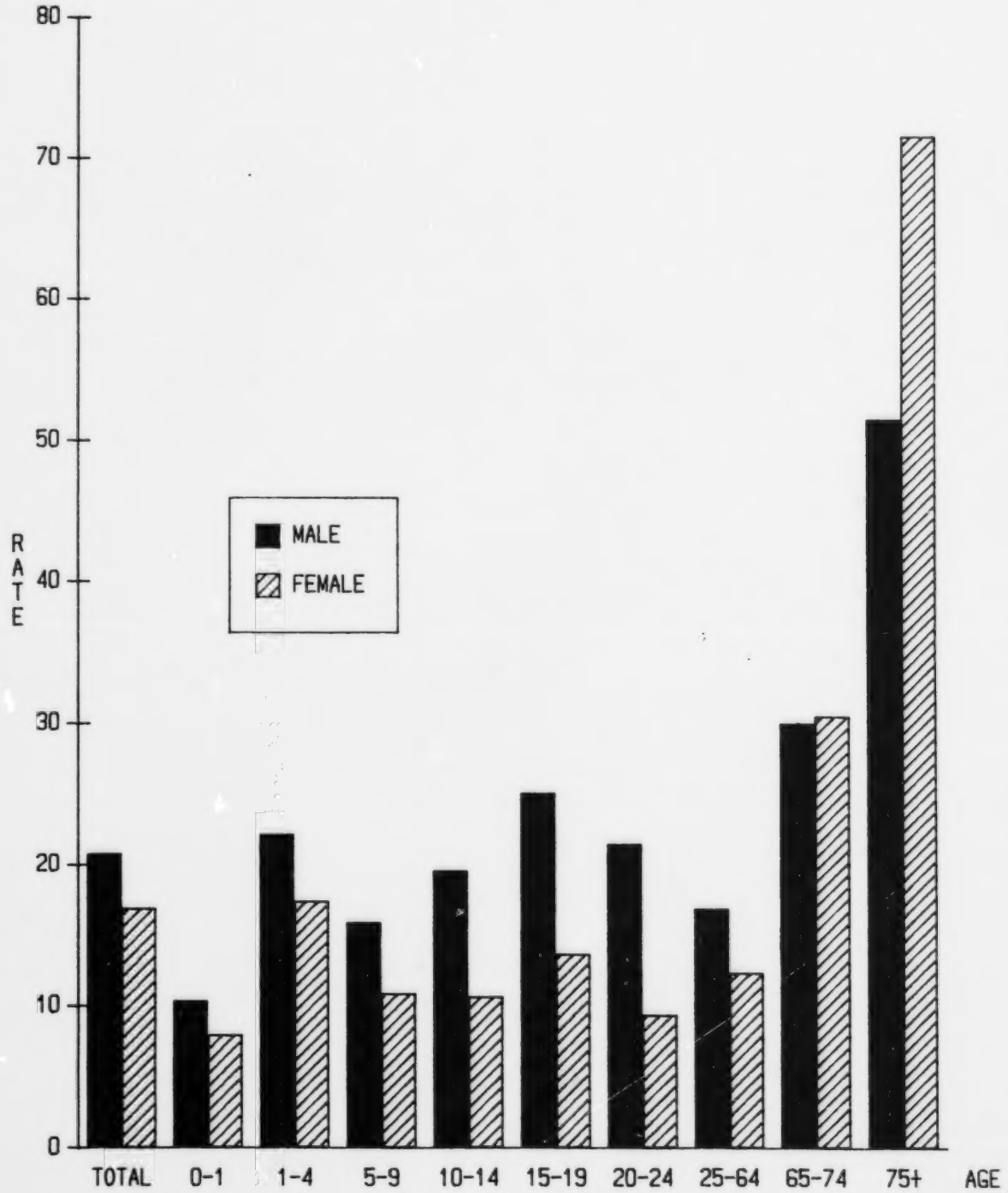
	Total	0-1	1-4	5-9	10-14	15-19	20-24	25-64	65-74	75+
Covered Population[1]										
Both Sexes	1,028,965	16,778	70,424	82,293	79,306	86,175	101,099	468,394	73,531	50,965
Male	517,126	8,544	36,022	41,972	40,509	44,190	51,671	237,388	34,732	22,098
Female	511,839	8,234	34,402	40,321	38,797	41,985	49,428	231,006	38,799	28,867
Admissions										
Both Sexes	19,443	155	1,398	1,110	1,213	1,684	1,575	6,883	2,223	3,202
Male	10,773	89	800	669	796	1,107	1,109	4,022	1,042	1,139
Female	8,670	66	598	441	417	576	466	2,861	1,182	2,063
Admissions Per 1,000 Covered Population										
Both Sexes	18.9	9.2	19.9	13.5	15.3	19.5	15.6	14.7	30.2	62.8
Male	20.8	10.4	22.2	15.9	19.6	25.1	21.5	16.9	30.0	51.5
Female	16.9	8.0	17.4	10.9	10.7	13.7	9.4	12.4	30.5	71.5
Patient Days										
Both Sexes	164,621	976	5,762	4,345	4,719	8,280	8,864	51,444	24,949	55,282
Male	79,323	554	3,568	2,597	3,321	5,391	6,219	29,090	11,784	16,799
Female	85,298	421	2,194	1,748	1,398	2,889	2,646	22,354	13,165	38,483
Days Per 1,000 Covered Population										
Both Sexes	160.0	58.1	81.8	52.8	59.5	96.1	87.7	109.8	339.3	1084.7
Male	153.4	64.8	137.1	61.9	82.0	122.0	120.4	122.5	339.3	760.2
Female	166.7	51.1	63.8	43.4	36.0	68.8	53.5	96.8	339.3	1333.1
Average Days of Stay										
Both Sexes	8.5	6.3	4.1	3.9	3.9	4.9	5.6	7.5	11.2	17.3
Male	7.3	6.2	4.5	3.9	4.2	4.9	5.6	7.2	11.3	14.7
Female	9.8	6.3	3.7	4.0	3.4	5.0	5.7	7.8	11.1	18.7

[1]Health Insurance Registration Covered Population
Source: Hospital Services Branch

Hospitalization due to accidental injury varies with both age and sex. In Table 7 these variations are shown. Males are more frequently admitted in all age groups with the exception of those aged 65 and over. The high admission rate for elderly women is likely due to the disproportionate number of very elderly women (85 and over) in the 65 and over age group. As expected, the average length of stay is considerably higher for the elderly than for the rest of the population.

Figure 5 provides age and sex rates of hospitalization in graphic form.

FIGURE 5 AGE AND SEX SPECIFIC RATES OF HOSPITALIZATION FROM ACCIDENTS SASKATCHEWAN, 1984 - 1985



RATE PER 1,000 POPULATION (HIR COVERED POPULATION)
SOURCE: HOSPITAL SERVICES BRANCH

TABLE 8

Hospital Separations, Patient Days and Average Days of Stay by Type of Accident, 1981-82 to 1984-85

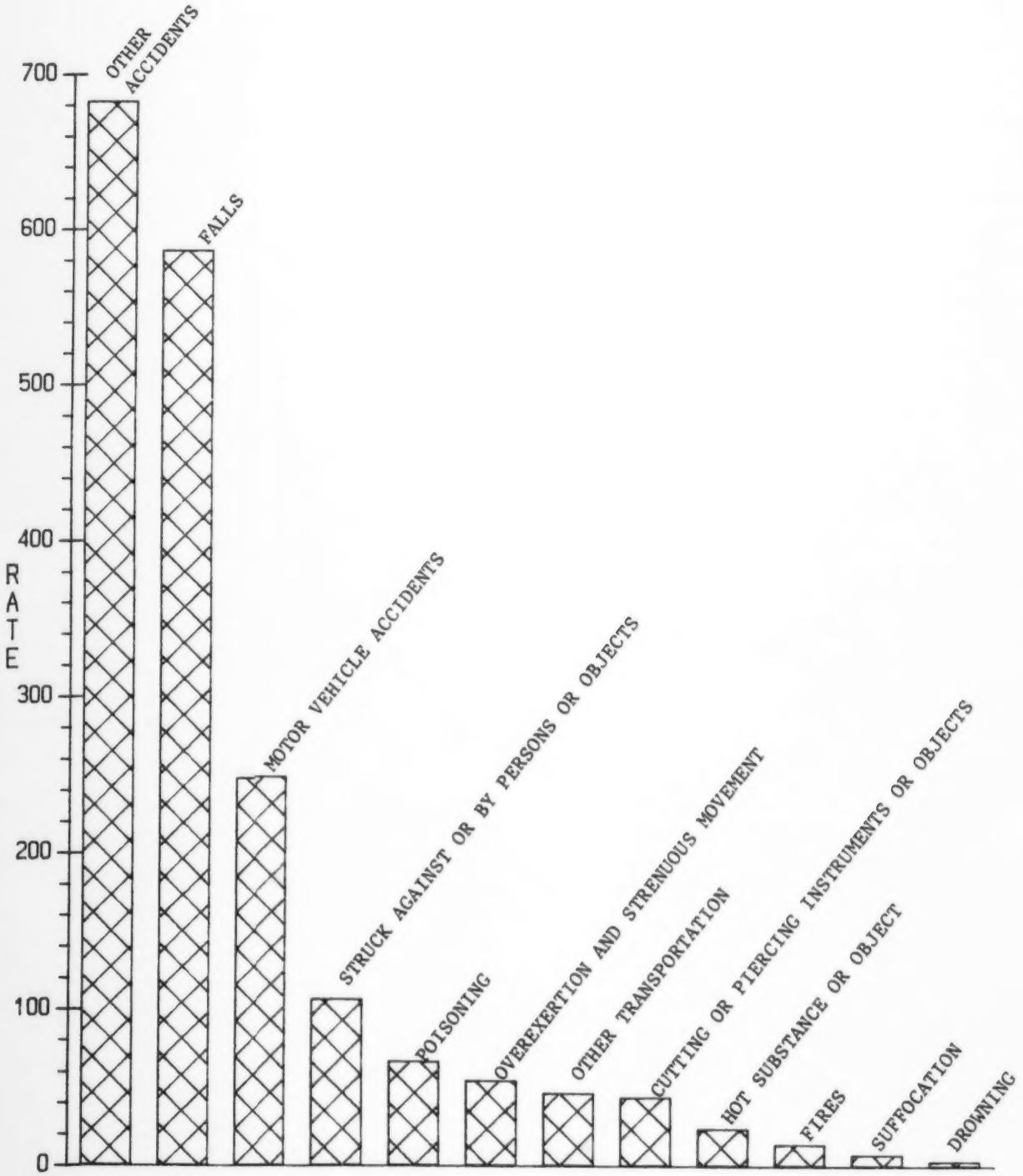
Type of Accident	1981-82	1982-83	1983-84	1984-85
FALLS:				
Separations	5,894	5,976	6,226	6,043
Patient Days	65,676	60,936	63,517	66,367
Average Days of Stay	11.14	10.20	10.20	10.98
MOTOR VEHICLE ACCIDENTS:				
Separations	2,779	2,872	2,636	2,559
Patient Days	19,239	19,192	17,362	16,798
Average Days of Stay	6.92	6.68	6.59	6.56
STRUCK AGAINST OR BY PERSONS OR OBJECTS:				
Separations	1,039	941	1,002	1,100
Patient Days	3,638	3,032	3,408	3,594
Average Days of Stay	3.50	3.22	3.40	3.24
POISONING:				
Separations	560	623	552	689
Patient Days	1,066	1,267	945	1,603
Average Days of Stay	1.90	2.03	1.71	2.33
OTHER TRANSPORTATION:				
Separations	477	432	501	483
Patient Days	1,653	1,451	2,073	1,930
Average Days of Stay	3.47	3.36	4.14	3.99
CUTTING OR PIERCING INSTRUMENTS OR OBJECTS:				
Separations	342	357	414	457
Patient Days	1,313	1,414	1,559	1,855
Average Days of Stay	3.84	3.96	3.77	4.06
HOT SUBSTANCE OR OBJECT:				
Separations	259	215	254	251
Patient Days	2,609	1,922	2,464	2,346
Average Days of Stay	10.07	8.94	9.70	9.35
OVEREXERTION AND STRENUOUS MOVEMENT:				
Separations	554	586	541	566
Patient Days	2,949	3,004	2,519	2,547
Average Days of Stay	5.32	5.13	4.66	4.50

	1981-82	1982-83	1983-84	1984-85
FIRES:				
Separations	195	194	129	148
Patient Days	2,897	2,330	1,643	1,869
Average Days of Stay	14.86	12.01	12.74	12.63
DROWNING:				
Separations	22	32	35	37
Patient Days	61	88	72	136
Average Days of Stay	2.77	2.75	2.06	3.68
SUFFOCATIONS:				
Separations	124	91	95	80
Patient Days	278	149	210	322
Average Days of Stay	2.24	1.64	2.21	4.02
OTHER ACCIDENTS:				
Separations	2,152	2,409	2,327	7,030
Patient Days	14,336	16,639	13,901	65,254
Average Days of Stay	6.66	6.91	5.97	9.28
TOTAL ACCIDENTS:				
Separations	14,397	14,728	14,712	19,443
Patient Days	115,715	111,424	109,673	164,521
Average Days of Stay	8.04	7.57	7.45	8.48

Source: Hospital Services Branch

The number of separations and the average length of stay varies with different types of accidents. In Table 8 these data are presented for the years 1981-82 to 1984-85. The longest average length of stay is for fires. Falls also have a long length of stay, many of which involve elderly people who often sustain more serious injuries and require a longer recovery period than younger people. The number of separations in the various accident categories has remained relatively constant.

FIGURE 6 RATE OF HOSPITALIZATION DUE TO ACCIDENTAL INJURY BY CAUSE, SASKATCHEWAN, 1984 - 85



SOURCE: HOSPITAL SERVICES BRANCH
RATE PER 100,000 POPULATION

TABLE 9

Selected Causes of Hospitalization Due to Accidental Injury
By Place of Occurrence, Saskatchewan, 1984-85

Type of Accident	Home		Farm		Mine & Quarry		Industrial		Recreation & Sport		Street & Highway		Public Building		Residential Institution		Other Specified		Unspecified	
	Cases	Days	Cases	Days	Cases	Days	Cases	Days	Cases	Days	Cases	Days	Cases	Days	Cases	Days	Cases	Days	Cases	Days
Accidental Poisoning By Drugs, Medicaments and Biologicals	84	191	1	1	-	-	-	-	1	1	-	-	-	-	5	18	2	2	333	903
Accidental Poisoning By Other Solid & Liquid Substances, Gases & Vapours	71	107	7	11	-	-	-	-	4	6	2	2	2	2	1	18	5	6	170	334
Accidental Falls	1386	18573	48	200	2	12	20	109	294	990	163	1717	179	1301	228	4605	67	566	3656	38294
Accidents Caused By Fire & Flames	45	428	9	147	-	-	-	-	3	4	-	-	-	-	-	-	5	47	86	1243
Accidents Due to Natural and Environmental Factors	55	427	26	162	-	-	-	-	9	42	18	146	3	13	1	41	17	143	244	1461
Submersion, Suffocation & Foreign Bodies	24	94	2	3	-	-	-	-	6	20	-	-	4	5	1	11	9	51	288	986
Other Accidents	591	3562	178	1125	-	-	92	474	442	1054	15	88	69	259	23	432	63	206	2189	12811

Source: Hospital Services Branch

A limited amount of data is available on where accidents occurred. Unfortunately in many cases the location is not specified (the proportion varies with each type of accident). Motor vehicle and other transportation accidents are not included in these data.

It is interesting to note that most poisonings occur at home. Falls, however, occur in virtually all locations. If these data were broken down by age they would likely reveal where different age groups spend much of their time, and where they are "exposed" to the danger of certain types of accidents.

TABLE 10

Hospital Separation and Patient Days for Leading Accident Classifications by Age Groups, Saskatchewan, 1984-85

Type of Accident	Total		0 - 1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 64		65 - 74		75+	
	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*
Falls																				
- Separations	6043	5.9	59	3.5	368	5.2	485	5.9	411	5.2	290	3.4	225	2.2	1504	3.2	796	10.8	1905	37.4
- Patient Days	66367	64.5	251	14.9	1425	20.2	1488	18.1	1512	19.1	1615	18.7	1649	16.3	10992	23.5	8998	122.4	38437	754.2
- Average Days of Stay	10.9		4.3		3.9		3.1		3.7		5.6		7.3		7.3		11.3		20.2	
Motor Vehicle Accidents																				
- Separations	2559	2.5	9	0.5	47	0.7	115	1.4	179	2.3	540	6.3	502	4.9	952	2.0	120	1.6	95	1.9
- Patient Days	16798	16.3	37	2.2	228	3.2	678	8.2	832	10.5	2979	34.6	3229	31.9	6233	13.3	1288	17.5	1294	25.3
- Average Days of Stay	6.6		4.1		4.8		5.9		4.6		5.5		6.4		6.5		10.7		13.6	
Struck Against or by Persons or Objects																				
- Separations	1100	1.1	1	0.05	22	0.03	76	0.9	190	2.4	273	3.2	165	1.6	338	0.7	19	0.2	16	0.3
- Patient Days	3594	3.5	10	0.6	78	0.11	285	3.5	520	6.6	633	7.3	399	3.9	1237	2.6	131	1.8	301	5.9
- Average Days of Stay	3.2		10.0		3.5		3.7		2.7		2.3		2.4		3.6		6.9		18.8	
Poisoning																				
- Separations	689	0.7	7	0.4	394	5.6	43	0.5	24	0.3	25	0.3	20	0.2	113	0.2	35	0.5	28	0.5
- Patient Days	1603	1.6	11	0.6	553	7.8	61	0.7	39	0.5	55	0.6	33	0.3	317	0.7	227	3.1	307	6.0
- Average Days of Stay	2.3		1.6		1.4		1.4		1.6		2.2		1.6		2.8		6.5		10.9	
Other Transportation																				
- Separations	483	0.5	-	-	26	0.4	101	1.2	111	1.4	68	0.8	34	0.3	122	0.3	12	0.2	4	0.07
- Patient Days	1930	1.9	-	-	73	1.1	362	4.4	253	3.2	295	3.4	130	1.3	607	1.3	99	1.3	27	0.5
- Average Days of Stay	3.9		-		2.9		3.6		2.3		4.3		3.8		4.9		8.2		6.7	
Cutting or Piercing Instrument or Objects																				
- Separations	457	0.4	-	-	35	0.4	35	0.4	34	0.4	64	0.7	79	0.8	181	0.3	17	0.2	12	0.2
- Patient Days	1855	1.8	-	-	122	1.7	179	2.2	72	0.9	173	2.0	229	2.3	680	1.5	117	1.6	283	5.5
- Average Days of Stay	4.1		-		3.5		5.1		2.1		2.7		2.8		3.7		6.9		23.5	
Hot Substance or Object																				
- Separations	251	0.2	11	0.6	96	1.4	15	0.2	13	0.2	18	0.2	17	0.2	42	0.1	12	0.2	25	0.5
- Patient Days	2346	2.3	83	4.9	868	12.3	122	1.5	97	1.2	82	0.9	49	0.4	389	0.8	250	3.4	406	7.9
- Average Days of Stay	9.3		7.5		9.0		8.1		7.5		4.5		2.9		9.3		20.8		16.2	

Type of Accident	Total		0 - 1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 64		65 - 74		75+	
	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*
Overexertion and Strenuous Movement																				
- Separations	566	0.6	-	-	2	0.02	8	0.09	23	0.3	53	0.2	64	0.6	323	0.6	46	0.6	47	0.9
- Patient Days	2547	2.5	-	-	4	0.05	14	0.2	70	0.9	113	1.3	231	2.3	1346	2.8	366	4.9	403	7.9
- Average Days of Stay	4.5		-		2		1.7		3.0		2.1		3.6		4.2		7.9		8.5	
Fires																				
- Separations	148	0.1	1	0.05	22	0.3	5	0.06	13	0.2	11	0.1	18	0.2	56	0.1	7	0.09	15	0.3
- Patient Days	1869	1.8	1	0.05	357	5.1	60	0.7	167	2.1	89	1.0	164	1.6	513	1.1	92	1.3	426	8.3
- Average Days of Stay	12.6		1.0		16.2		12.0		12.8		8.1		9.1		9.1		13.1		28.4	
Drowning																				
- Separations	37	0.03	1	0.05	8	0.1	8	0.1	6	0.07	2	0.02	2	0.02	8	0.02	1	0.01	1	0.02
- Patient Days	136	0.13	15	0.9	18	0.3	26	0.3	16	0.2	17	0.2	5	0.04	26	0.05	1	0.01	12	0.2
- Average Days of Stay	3.6		15.0		2.2		3.2		2.6		8.5		2.5		3.2		1.0		12.0	
Suffocation																				
- Separations	80	0.07	2	0.1	36	0.5	7	0.08	1	0.01	2	0.02	1	0.01	13	0.02	11	0.2	7	0.1
- Patient Days	322	0.3	8	0.4	94	1.3	10	0.1	40	0.5	2	0.02	1	0.01	42	0.08	46	0.6	79	1.5
- Average Days of Stay	4.0		4.0		2.6		1.4		40.0		1.0		1.0		3.2		4.1		11.2	
Other Accidents																				
- Separations	6437	6.2	57	3.3	241	3.4	153	1.8	174	2.2	285	3.3	414	4.1	3002	6.4	1101	14.9	1010	19.8
- Patient Days	62104	60.3	527	31.4	1643	23.3	868	10.5	980	12.3	2039	23.6	2622	25.9	27655	59.0	12837	174.5	12931	253.7
- Average Days of Stay	9.6		9.2		6.8		5.6		5.6		7.1		6.3		9.2		11.6		12.8	
Total																				
- Separations	18850	18.2	148	8.8	1297	18.4	1051	12.7	1179	14.8	1631	18.9	1541	15.2	6654	14.2	2177	29.6	3165	62.1
- Patient Days	161471	156.6	943	56.2	5466	77.6	4153	50.4	4598	57.9	8092	93.9	8741	86.4	50037	106.8	24452	332.5	54906	1077.3
- Average Days of Stay	8.6		6.4		4.2		3.9		3.8		4.9		5.6		7.5		11.2		17.3	

*Rate per 1,000 Covered Population
Source: Hospital Services Branch

This table provides detailed information on separations, patient days and average length of stay. These data also illustrate differences between age groups in regard to types of accidents. The separation rate per 1,000 population allows comparisons to be made between age groups. Accidents where there are few occurrences (e.g. drowning, suffocation), may vary considerably in frequency from one year to the next.

Saskatchewan Health

Vehicle Accidents

Saskatchewan

TABLE 11

Motor Vehicle Accident Mortality,
Total Population By Age Group
Saskatchewan, 1971-1985

Year	Under 15		15-24		25-64		65+		Total	
	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*
1971	23	7.9	71	41.7	100	26.0	31	32.9	225	24.3
1972	21	7.5	97	56.4	101	26.3	34	35.1	253	27.7
1973	31	11.4	108	63.5	89	23.3	34	34.1	262	29.0
1974	40	15.3	110	62.6	116	30.2	30	29.9	296	32.9
1975	30	11.6	100	54.8	93	23.8	35	34.5	258	28.4
1976	24	9.3	92	48.5	128	32.0	34	32.9	278	30.2
1977	26	10.2	113	58.0	99	24.3	35	33.1	273	28.8
1978	30	12.0	86	43.6	110	26.5	31	28.6	257	26.8
1979	29	11.8	103	52.1	105	24.9	35	31.5	272	28.3
1980	19	7.8	108	54.9	95	22.1	34	29.8	256	26.4
1981	36	15.1	95	51.6	122	28.4	26	22.4	279	28.8
1982	24	9.9	94	51.9	92	20.9	38	31.8	248	25.3
1983	23	9.5	73	40.4	107	23.9	32	26.2	235	23.7
1984	26	10.5	67	35.8	112	23.9	26	20.9	231	22.4
1985	19	7.6	64	34.9	98	20.5	39	30.6	220	21.2

*Rate per 100,000 population.

Source: Statistics Canada

Overall, motor vehicle accidents result annually in the greatest number of accidental deaths. In 1985, 220 people died as a result of these accidents. The highest mortality rate for motor vehicle accidents is found in the 25-64 year age group. Mortality rates from 1971 to 1985 vary, but no clear trend is evident.

TABLE 12

Hospitalized Motor Vehicle and Other Road Vehicle Accident Cases, Patient Days and Rates per 100,000 Population*, Saskatchewan, 1984-85

Type and Cause of Accident	0-14			15-24			25-44			45-64			65+		
	No.	Average Days Stay	Rate	No.	Average Days Stay	Rate	No.	Average Days Stay	Rate	No.	Average Days Stay	Rate	No.	Average Days Stay	Rate
Motor Cycle Accidents	30	7.2	12.0	146	5.5	77.9	75	7.5	26.3	4	18.0	2.2	1	7.0	0.8
Motor Vehicle Traffic Accidents	215	5.1	86.4	762	6.2	406.8	487	6.2	170.8	272	7.4	148.3	190	12.3	152.6
Collision with train	-	-	-	10	3.8	5.3	3	6.6	1.0	2	11.0	1.0	1	4.0	0.8
Collision of motor vehicle	35	4.0	14.1	144	5.5	76.8	123	6.2	43.1	86	7.5	46.9	56	9.0	44.9
Collision with bicycles	20	5.6	8.0	14	3.8	7.4	20	2.6	7.0	10	3.8	5.4	4	6.2	3.2
Collision with pedestrain	79	7.3	31.7	43	9.5	22.9	37	10.9	12.9	26	9.2	14.1	25	16.6	20.1
Collision with fixed object	5	2.0	2.0	16	4.1	8.5	14	4.7	4.9	9	2.6	4.9	4	7.5	3.2
Loss of control of motor vehicle	27	3.6	10.8	277	5.5	147.9	138	4.6	48.4	53	5.4	28.9	17	9.1	13.6
Other	49	2.6	19.6	258	6.9	137.7	153	6.9	53.6	86	6.9	46.9	73	16.6	58.6
Motor Vehicle Non-Traffic Accidents	105	4.4	42.2	134	5.2	71.5	88	4.7	30.8	26	6.3	14.2	24	9.3	19.2
Involving pedestrians	7	5.0	2.8	5	8.6	2.6	5	10.8	1.7	1	27.0	0.5	1	2.0	0.8
Other	98	4.4	39.3	129	5.0	68.8	83	4.3	29.1	25	5.4	13.6	23	9.6	18.4
Other Road Vehicle Accidents	227	2.7	91.2	91	3.9	48.5	74	4.3	25.9	35	5.5	19.1	10	8.3	8.0
Involving pedestrians	4	1.7	1.6	1	2.0	0.5	1	1.0	0.3	-	-	-	2	6.0	1.6
Injured while riding bicycle	158	2.7	63.5	36	4.7	19.2	22	3.8	7.7	12	3.5	6.5	7	8.2	5.6
Other	65	2.8	26.1	54	3.4	28.8	51	4.6	17.8	23	6.5	12.5	1	13.0	0.8

Source: Hospital Services Branch

*Rate per 100,000 population - 1984 HIR Covered Population - 0-14 - 248,801
15-24 - 187,274
25-44 - 285,059
45-64 - 183,335
65+- 124,496

As noted earlier, motor vehicle and related accidents result in a significant number of hospital admissions. The type of accident, however, varies with different age groups. Thus, young children (0-14 years), for example, are much more likely to be injured while riding a bicycle than people of other ages. Motorcycle accidents are most common among 15-24 year olds. These differences are likely due to involvement in different activities and to experience.

Detailed information on traffic accidents is contained in Saskatchewan Traffic Accident Facts, published annually by the Department of Highways and Transportation.

Saskatchewan Health

Inter-Provincial Comparisons

Saskatchewan

TABLE 13

Accident Mortality Rates*,
Canada and the Provinces, 1983-1985

	1983 Total	1984 Total	1985 Total
Canada	56.6	55.7	52.9
Newfoundland	46.2	39.0	36.7
Prince Edward Island	64.5	67.0	53.5
Nova Scotia	57.6	50.5	54.0
New Brunswick	52.4	60.7	55.3
Quebec	56.3	57.5	60.6
Ontario	49.3	49.8	47.8
Manitoba	64.4	52.6	53.7
Saskatchewan	66.3	65.2	64.2
Alberta	61.9	63.4	46.0
British Columbia	69.5	62.6	52.9
Yukon	121.1	119.3	153.5
Northwest Territories	155.0	157.9	127.7

Source: Statistics Canada Catalogue 84-206 Annual
*Rate per 100,000 population

Includes all accidents and late effects ICD-9 Codes E800-E999 (including suicide and homicide).

In the table above accident mortality rates are shown for Canada and the provinces (these data include suicide and homicide). These rates vary enormously between the provinces, and furthermore, considerable variation can be found from one year to the next. Fluctuations are particularly evident in provinces with small populations. A province with a large proportion of 15-24 year olds, for example, would likely have a high accident mortality rate.

While comparisons between provinces are difficult, Saskatchewan has tended to have a high accident mortality rate relative to other provinces. The Yukon and Northwest Territories have rates more than double the Canadian average.

TABLE 14

Accident Mortality Rates* by Sex,
Canada and the Provinces, 1983-1985

	1983			1984			1985		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Canada	81.0	32.6	56.6	79.3	32.7	55.7	75.0	31.3	52.9
Newfoundland	66.8	25.4	46.2	60.2	17.7	39.0	58.7	14.5	36.7
Prince Edward Island	97.6	32.0	64.5	89.7	44.5	67.0	82.0	25.1	53.5
Nova Scotia	86.7	29.2	57.6	72.7	28.7	50.5	78.0	30.6	54.0
New Brunswick	79.8	25.3	52.4	92.7	29.2	60.7	83.0	28.1	55.3
Quebec	82.2	31.3	56.3	84.6	31.2	57.5	88.4	33.7	60.6
Ontario	68.6	30.7	49.3	67.3	32.9	49.8	64.6	31.6	47.8
Manitoba	94.9	34.7	64.4	75.0	30.8	52.6	78.4	29.5	53.7
Saskatchewan	97.6	34.9	66.3	93.7	36.6	65.2	90.9	37.5	64.2
Alberta	86.2	36.6	61.9	91.0	35.1	63.4	65.3	26.2	46.0
British Columbia	98.7	40.7	69.5	89.4	36.0	62.6	75.0	31.2	52.9
Yukon	153.8	84.9	121.1	150.4	85.7	119.3	228.8	72.7	153.5
Northwest Territories	248.0	52.4	155.0	240.3	67.8	157.9	187.3	62.0	127.7

Source: Statistics Canada Catalogue 84-206 Annual
*Rate per 100,000 population

Includes all accidents and late effects ICD-9 Codes E800-E999 (including suicide and homicide).

It has been noted earlier that accident mortality rates are significantly higher for males than for females. Table 14 illustrates these differences for Canada and the provinces. For Saskatchewan the rate for females is slightly above the Canadian average, while the rate for males is well above the average.

Saskatchewan Health

Population

Saskatchewan

Covered Population by Age Distribution, Saskatchewan 1964 - 1988

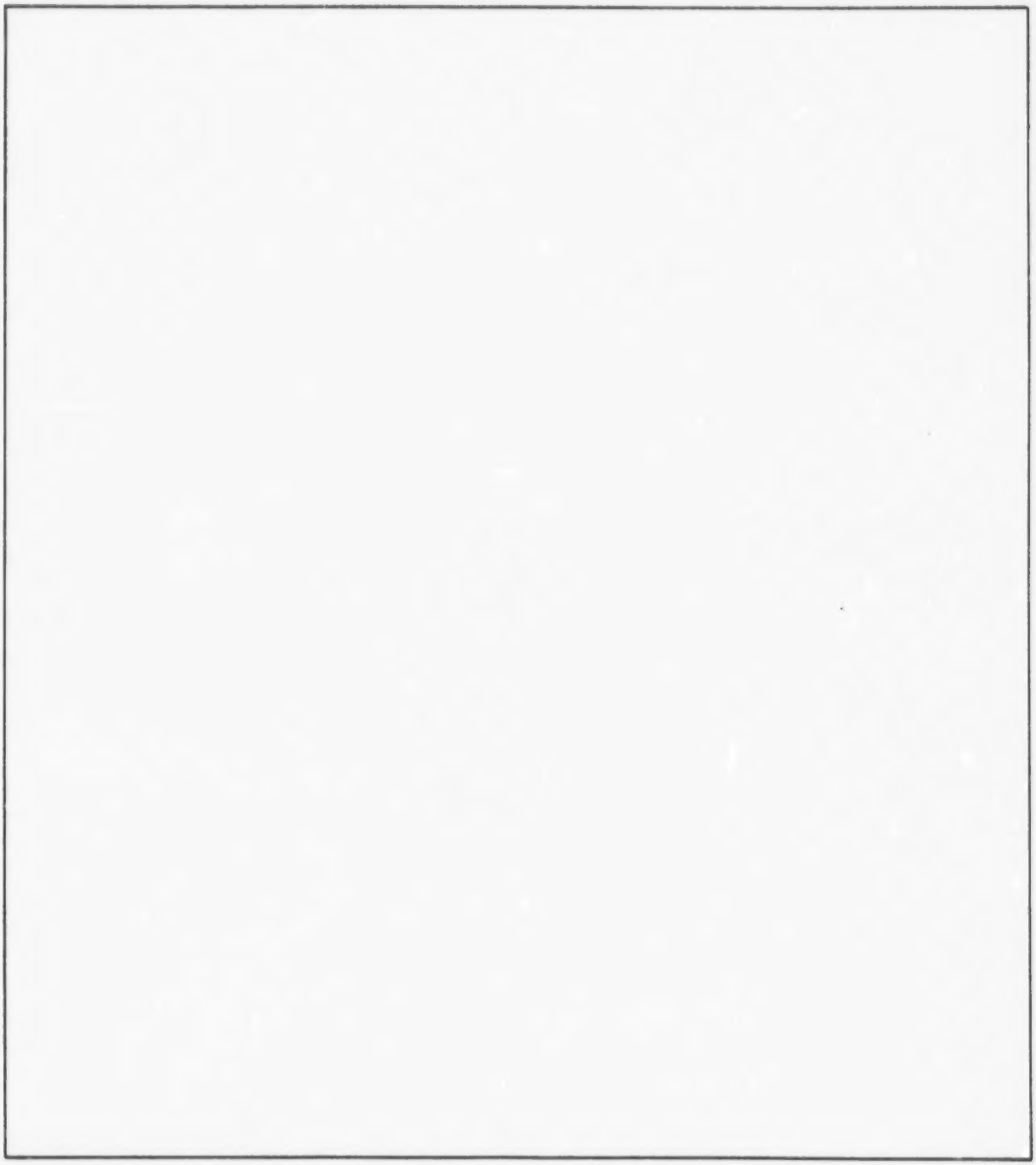
Year	Total	0-1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
1964	935,005	22,093	90,206	109,794	98,483	83,794	58,578	50,691	52,432	54,445	55,544
1965	943,799	20,382	90,122	110,186	101,175	87,187	60,047	50,718	51,581	53,910	54,867
1966	951,434	19,501	88,576	110,431	103,520	89,834	61,904	51,634	51,034	53,344	54,621
1967	959,310	17,769	85,731	110,803	105,859	91,365	66,723	52,090	50,414	52,667	53,930
1968	962,376	17,810	80,704	111,198	106,789	93,276	69,444	53,710	49,829	51,977	53,600
1969	963,878	17,978	75,665	109,998	107,115	95,776	72,048	54,807	49,351	51,080	52,743
1970	948,370	16,891	70,150	105,993	106,132	97,109	71,126	53,281	47,748	49,121	51,753
1971	938,527	16,878	66,662	101,101	105,265	98,857	71,186	52,521	47,141	47,585	50,423
1972	934,607	15,774	65,424	95,788	104,274	100,636	71,443	54,785	46,696	46,444	49,291
1973	925,181	16,782	62,801	88,780	102,701	98,945	71,266	55,503	46,784	45,165	48,050
1974	922,487	14,394	61,905	83,968	101,655	99,900	75,882	58,181	47,579	44,620	47,170
1975	931,921	14,611	62,059	81,042	99,876	100,758	81,621	62,691	49,380	44,699	46,167
1976	949,463	16,061	62,886	80,686	97,405	101,330	88,331	68,049	51,796	45,880	45,839
1977	961,526	16,256	63,770	80,193	93,531	101,680	93,095	71,163	55,987	46,770	45,502
1978	970,510	16,235	64,327	80,125	89,099	101,916	95,526	74,739	59,152	48,165	45,224
1979	976,734	16,356	65,123	79,109	84,985	101,460	96,158	78,522	62,295	49,405	45,801
1980	982,257	15,610	65,901	78,957	81,844	99,942	96,438	82,381	65,675	50,722	45,173
1981	990,746	15,840	66,659	78,828	80,752	97,203	96,756	86,040	68,960	52,267	45,970
1982	1,000,667	16,160	67,645	79,833	80,118	93,409	97,019	89,216	70,976	56,219	46,647
1983	1,014,496	16,478	68,888	80,652	79,994	89,644	99,427	92,107	74,348	59,220	48,045
1984	1,028,965	16,778	70,424	82,293	79,306	86,175	101,099	94,167	78,450	62,806	49,636
1985	1,039,249	16,806	71,280	83,481	79,442	82,990	100,427	95,136	82,484	66,461	51,075
1986	1,041,358	16,745	71,289	84,127	78,640	81,419	96,692	95,199	85,161	68,911	52,293
1987	1,045,440	16,403	71,331	84,747	79,398	80,443	91,926	95,064	87,631	70,114	55,953
1988	1,044,151	15,318	69,985	85,457	79,465	79,616	86,450	94,369	88,597	72,282	58,101

Source: Health Insurance Registration Covered Population

Year	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-89	90-94	95+
1964	52,018	47,604	39,825	33,042	26,759	23,759	18,986	11,254	4,328	1,144	226
1965	52,441	48,823	40,790	33,468	27,115	23,237	19,372	11,755	4,797	1,226	600
1966	52,604	49,457	42,029	34,108	27,328	23,538	19,158	12,154	5,070	1,337	252
1967	53,059	49,989	43,038	35,175	27,714	23,296	19,247	12,522	5,540	1,464	915
1968	53,182	49,763	43,841	36,125	28,359	22,739	18,976	12,697	5,857	1,586	914
1969	53,515	49,851	45,185	36,912	29,491	22,327	18,832	12,923	6,227	1,737	317
1970	52,423	50,015	46,089	37,644	29,861	22,691	18,453	13,183	6,444	1,949	314
1971	51,768	49,866	46,502	38,603	30,516	22,928	18,388	13,161	6,659	2,128	389
1972	50,856	50,102	46,772	39,325	31,971	23,677	18,364	13,274	6,946	2,348	417
1973	50,168	49,931	49,469	40,053	33,271	24,596	18,274	13,315	7,324	2,508	495
1974	49,268	50,123	46,372	41,156	33,469	25,310	17,862	13,202	7,335	2,609	527
1975	48,944	49,629	46,784	42,243	33,956	25,761	18,086	12,901	7,428	2,687	598
1976	48,443	49,446	47,031	42,892	34,989	26,454	18,324	12,875	7,352	2,766	628
1977	47,938	48,993	47,588	43,430	35,677	27,455	18,790	12,796	7,340	2,862	710
1978	47,487	48,914	47,872	43,494	36,431	28,540	19,436	12,691	7,408	2,993	736
1979	46,814	48,316	48,241	43,584	37,684	29,137	20,313	12,610	7,660	3,085	796
1980	45,867	48,042	47,710	44,021	38,896	29,673	20,851	12,887	7,581	3,250	836
1981	45,402	47,514	47,565	44,267	39,673	30,587	21,432	13,250	7,595	3,302	884
1982	44,929	47,021	47,180	44,810	40,241	31,324	22,335	13,642	7,667	3,340	936
1983	44,819	46,589	47,242	45,067	40,432	32,022	23,318	14,212	7,624	3,352	1,016
1984	44,949	46,037	46,702	45,647	40,230	33,301	23,856	14,903	7,672	3,463	1,071
1985	45,081	45,367	46,554	45,237	40,887	34,481	24,408	15,211	7,886	3,437	1,118
1986	45,691	44,787	45,943	44,920	40,969	35,076	25,127	15,750	8.085	3,390	1,144
1987	46,160	44,204	45,450	44,518	41,339	35,595	25,796	16,382	8,393	3,429	1,164
1988	47,200	43,808	44,975	44,415	41,453	35,642	26,526	17,099	8,798	3,450	1,145

Source: Health Insurance Registration Covered Population

Appendix A



Accidental Deaths and Suicide By Age Group and Individual E-Code
Saskatchewan, 1985

Cause of Death		0-1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Total
E800-E807	Railway Accidents	-	-	-	-	-	1	-	2	-	-	1	-	-	-	-	-	-	-	-	4
E810-E819	Motor Vehicle Traffic Accidents																				
	Collision with train (E810)	-	-	-	-	-	1	2	1	-	-	-	1	1	-	-	-	-	-	-	6
	Collision with another motor vehicle (E812)	-	2	2	3	9	12	10	5	8	3	-	2	5	4	4	6	7	3	3	88
	Collision with other vehicle (E813)	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
	Collision with pedestrian (E814)	-	1	1	2	4	3	2	3	1	2	1	1	1	1	2	4	-	1	-	30
	Other collision, highway (E815)	-	-	-	-	1	2	-	-	1	-	-	-	-	-	-	-	-	-	-	4
	Non-collision due to loss of control, highway (E816)	-	-	3	1	14	14	6	7	4	1	2	2	3	-	2	-	-	-	-	59
	Other non-collision (E818)	-	-	-	-	1	1	3	-	1	-	-	1	-	-	-	-	-	-	-	7
	Unspecified nature (E819)	-	-	1	-	-	-	-	2	-	1	1	1	2	-	1	-	2	1	1	13
E820-E825	Motor Vehicle Non-Traffic Accidents																				
	Motor driven snow vehicle (E820)	-	-	1	-	-	-	1	-	1	-	-	-	-	1	-	-	-	-	-	4
	Collision with moving object (E822)	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	1	-	-	-	3
	Other & unspecified nature (E825)	-	-	-	-	1	1	-	-	-	1	-	-	-	-	-	-	1	-	-	4
E826-E829	Other Road Vehicle Accidents																				
	Involving animal being ridden (E828)	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1
E830-E838	Water Transport Accidents																				
	Boat with submersion (E830)	-	-	-	-	1	-	-	-	-	-	2	-	-	-	-	-	1	-	-	4
E840-E845	Air & Space Transport Accidents																				
	Powered aircraft, other, unspecified (E841)	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	2

Cause of Death		0-1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Total
E846-E848	Vehicle Accidents, Not Elsewhere Classifiable																				
	Accidents involving powered vehicles (E846)	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1
E850-E858	Accidental Poisoning, Drugs, Medicaments, Biologicals																				
	Analgesics, antipyretics, antirheumatics (E850)	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	2
	Barbiturates (E851)	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1
	Tranquilizers (E853)	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	2
	Other Psychotropic agents (E854)	-	-	-	-	-	1	3	-	-	-	-	-	-	-	-	-	-	-	-	4
	Other drugs (E858)	-	-	-	-	-	-	-	1	-	-	1	-	-	1	-	2	-	-	-	4
E860-E869	Accidental Poisoning By Other Substances																				
	Alcohol (NEC)(E860)	-	-	-	-	-	-	-	-	-	1	-	1	1	2	1	1	1	-	-	8
	Disinfectant, paint, varnish, cleaner (E861)	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1
	Other utility gas, carbon monoxide (E868)	-	-	-	-	1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	3
	Other gases, vapours (E869)	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	2
E870-E876	Misadventures to Patients During Surgical & Medical Care																				
	Accidental cut, puncture, perforation or haemorrhage (E870)	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	1	1	-	5
E878-E879	Complication of Medical Procedures Without Mention of Misadventure																				
	Surgical operation, procedures (E878)	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1

Cause of Death		0-1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Total
E880-E888	Accidental Falls																				
	On or from stairs or steps (E880)	-	-	-	-	-	-	-	-	1	-	-	-	2	-	-	-	-	1	-	4
	From, out of building, other structure (E882)	-	-	-	-	-	-	-	-	-	2	-	-	1	-	-	-	-	-	-	3
	Other, from one level to another (E884)	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	1	1	5	5	14
	Same level, slipping, tripping (E885)	-	-	-	-	-	-	-	1	-	-	-	-	1	1	-	1	-	-	8	12
	Fracture, cause unspecified(E887)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	8	10
	Other & unspecified (E888)	-	-	-	-	-	-	1	-	-	-	1	1	2	2	2	3	6	7	23	48
E890-E899	Accidents Caused by Fire & Flames																				
	Conflagration in private dwelling (E890)	1	3	-	-	2	3	2	1	-	3	1	2	2	-	1	-	1	-	1	23
E900-E909	Accidents due to Natural and Environmental Factors																				
	Excessive heat (E900)	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	2
	Excessive cold (E901)	-	-	-	-	-	1	2	-	-	1	-	-	-	2	1	3	3	-	-	13
	Hunger, thirst, exposure, neglect (E904)	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	2
E910-E915	Accidents, Submersion, Suffocation and Foreign Bodies																				
	Accidental drowning and submersion (E910)	1	3	2	2	1	2	-	1	4	2	-	-	-	-	2	1	-	-	-	21
	Inhalation & ingestion of food causing respiratory obstruction (E911)	2	2	-	-	1	1	-	1	-	-	1	3	-	1	1	1	2	-	1	17
	Accidental mechanical suffocation (E913)	1	-	-	-	1	-	-	-	1	1	1	-	-	1	-	-	-	-	-	6
	Foreign body entering other orifice (E915)	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1

Cause of Death		0-1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Total
E916-E928	Other Accidents																				
	Struck by falling object (E916)	-	-	-	-	-	2	1	-	-	1	1	2	1	2	-	-	-	-	-	10
	Striking against or struck by objects or persons (E917)	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1
	Caused by machinery (E919)	-	-	-	-	1	2	-	2	2	-	1	-	2	1	-	1	1	2	-	15
	Firearm missile (E922)	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
	Hot substance or object, caustic or coorosive material & steam (E924)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	2
	Electric current (E925)	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	1	3
	Other and NOS environmental causes (E928)	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1
E929	Late Effects of Accidental Injury	-	-	-	-	-	3	-	-	-	-	1	-	-	1	-	1	-	-	-	6
E930-E949	Substances Causing Adverse Effects in Therapeutic Use																				
	Water, mineral and uric acid metabolism drugs (E944)	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
E950-E959	Suicide & Self Inflicted Injury																				
	Poisoning by solid or liquid substances (E950)	-	-	-	-	-	1	2	1	3	1	1	2	-	-	-	2	3	-	1	17
	Poisoning by other gases and vapours (E952)	-	-	-	-	1	-	1	-	3	4	3	2	-	1	-	-	-	1	-	16
	Hanging, strangulation and suffocation (E953)	-	-	-	1	3	7	3	1	1	1	1	1	4	1	1	2	2	-	-	29
	Submersion (E954)	-	-	-	-	-	1	1	-	1	-	-	-	1	-	-	1	-	-	-	5
	Firearms & explosives (E955)	-	-	-	-	6	14	9	5	3	6	3	3	4	1	1	2	-	3	-	60
	Cutting & piercing instruments (E956)	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	2
	Other & unspecified means (E958)	-	-	-	-	1	1	-	-	-	1	-	1	-	-	-	-	-	-	-	4

Accidental Deaths and Suicide, By Individual E-Code and Sex
Saskatchewan, Total Population, 1982-1985

Cause of Accident		1982		1983		1984		1985	
		Male	Female	Male	Female	Male	Female	Male	Female
E800-E807	Railway Accidents	1	-	1	-	3	-	3	1
E810-E819	Motor Vehicle Traffic Accidents								
	Collision with train (E810)	8	1	4	-	8	-	4	2
	Re-entrant collision (E811)	-	1	-	-	-	-	-	-
	Collision with another motor vehicle (E812)	76	36	71	26	61	25	62	26
	Collision with other vehicle (E813)	2	-	-	-	-	2	1	1
	Collision with pedestrian (E814)	17	8	22	3	21	13	21	9
	Other collision, highway (E815)	10	-	6	3	4	-	3	1
	Non-collision due to loss of control, highway (E816)	48	10	58	21	49	17	45	14
	Other non-collision (E818)	5	1	-	-	2	3	3	4
	Unspecified nature (E819)	13	3	10	2	13	4	6	7
E820-E828	Motor Vehicle Non-Traffic Accidents								
	Motor driven snow vehicle (E820)	2	-	-	-	2	-	4	-
	Other off-road motor vehicle (E821)	1	-	1	-	-	-	-	-
	Collision with moving object (E822)	2	2	7	1	3	1	3	-
	Other and unspecified nature (E825)	1	-	-	-	2	1	3	1
	Animal drawn vehicle (E827)	1	-	-	-	-	-	-	-
	Involving animal being ridden (E828)	3	1	-	-	1	-	1	-
E830-E838	Water Transport Accidents								
	Boat with submersion (E830)	7	-	2	-	5	-	4	-
	Other accidental submersion or drowning (E832)	2	-	1	-	2	-	-	-

Cause of Accident		1982		1983		1984		1985	
		Male	Female	Male	Female	Male	Female	Male	Female
E840-E845	Air & Space Transport Accidents								
	Powered aircraft at take-off or landing (E840)	-	-	1	1	-	-	-	-
	Powered aircraft, other, unspecified (E841)	7	1	-	-	5	-	2	-
	Other, specified (E844)	-	-	-	1	-	-	-	-
E846-E848	Vehicle Accidents Not Elsewhere Classified								
	Powered vehicles used in premises of industrial, commercial establishment (E846)	-	-	-	-	-	-	1	-
E850-E858	Accidental Poisoning, Drugs, Medicaments, Biologicals								
	Analgesics, antipyretics, Antirheumatics (E850)	1	-	3	1	1	1	-	2
	Barbiturates (E851)	3	-	-	1	1	-	1	-
	Other sedatives and hypnotics (E852)	-	-	-	-	1	-	-	-
	Tranquilizers (E853)	-	2	2	1	3	-	1	1
	Other psychotropic agents (E854)	-	2	-	1	2	1	2	2
	Other drugs acting on CNS and autonomic nervous system (E855)	-	-	-	-	1	-	-	-
	Other drugs (E858)	-	2	2	4	1	2	1	4
E860-E869	Accidental Poisoning By Other Substances								
	Alcohol, NEC (E860)	2	2	3	1	2	1	6	2
	Disinfectant, paint varnish, cleaners (E861)	-	-	-	-	-	-	1	-
	Agricultural, horticultural, pharmaceutical (E863)	-	-	-	-	1	-	-	-
	Other and NOS solids and liquids (E866)	1	-	-	-	-	-	-	-
	Other utility gas, carbon monoxide (E868)	7	3	10	2	3	2	2	1
	Other gases, vapours (E869)	2	-	-	-	-	-	2	-
E870-E876	Misadventures to Patients During Surgical and Medical Care								
	Accidental cut, puncture, perforation or haemorrhage (E870)	2	-	1	4	2	-	2	3
	Other and unspecified (E876)	-	-	-	-	1	-	-	-

Cause of Accident		1982 Male	1982 Female	1983 Male	1983 Female	1984 Male	1984 Female	1985 Male	1985 Female
E878	Complication of Medical Procedures Without Mention of Misadventure								
	Surgical operation, procedures (E878)	3	-	1	-	1	3	1	-
	Other procedures, without misadventures (E879)	-	-	1	-	-	-	-	-
E880-E888	Accidental Falls								
	On or from stairs or steps (E880)	9	6	7	5	2	5	4	-
	On or from ladders or scaffolding (E881)	-	-	1	-	1	-	-	-
	From, out of building, other structure (E882)	1	-	5	-	2	-	3	-
	Other, from one level to another (E884)	9	4	-	6	7	8	6	8
	Same level, slipping, tripping (E885)	3	5	4	4	3	4	6	6
	Fracture, cause unspecified (E887)	2	3	2	4	2	5	5	5
	Other and unspecified (E888)	21	24	8	14	16	21	24	24
E890-E899	Accidents Caused By Fire and Flames								
	Conflagration in private dwelling (E890)	22	10	20	8	16	6	21	2
	In other and NOS building or structure (E891)	1	-	-	1	1	-	-	-
	Conflagration not, building, structure (E892)	2	-	-	-	-	-	-	-
	Ignition of clothing (E893)	-	-	-	1	-	-	-	-
	Controlled fire not in building or structure (E897)	-	-	1	-	-	-	-	-
	Other specified fire and flames (E898)	-	1	-	-	-	-	-	-
E900-E909	Accidents Due To Natural and Environmental Factors								
	Excessive Heat (E900)	-	-	-	-	1	-	2	-
	Excessive cold (E901)	13	6	11	2	8	4	10	3
	Hunger, thirst, exposure, neglect (E904)	1	-	2	-	1	1	1	1
	Poisoning, toxic reactions (E905)	1	-	-	-	-	-	-	-
	Other injury caused by animals (E906)	3	-	2	-	-	-	-	-

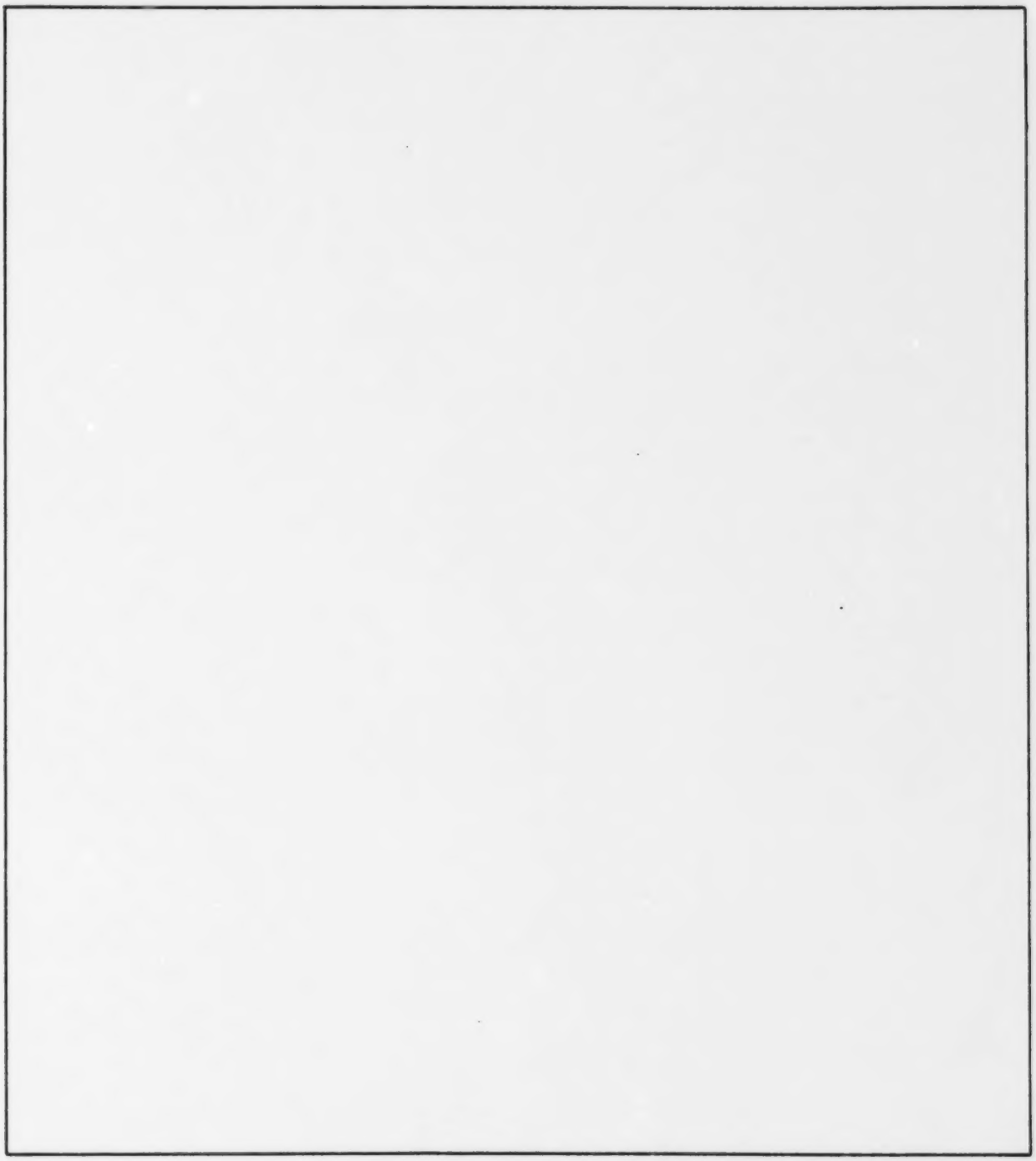
Cause of Accident		1982 Male	1982 Female	1983 Male	1983 Female	1984 Male	1984 Female	1985 Male	1985 Female
	Cataclysmic storms and floods (E908)	-	-	-	1	-	-	-	-
	Cataclysmic earth movements, eruptions (E909)	-	-	1	-	-	-	-	-
E910-E915	Accidents, Submersion, Suffocation and Foreign Bodies								
	Accidental drowning and submersion (E910)	12	1	14	3	13	3	13	8
	Inhalation & ingestion of food causing obstruction (E911)	19	8	13	5	11	4	12	5
	Causing respiratory obstruction (E912)	1	-	-	-	2	2	-	-
	Accidental mechanical suffocation (E913)	7	-	5	1	1	3	5	1
	Foreign body entering other orifice (E915)	-	-	-	-	-	1	1	-
E916-E928	Other Accidents								
	Struck by falling object (E916)	4	1	3	1	12	-	10	-
	Striking against or struck by objects or persons (E917)	1	-	3	-	2	-	1	-
	Caused by machinery (E919)	11	-	16	-	9	3	15	-
	Cutting, piercing instruments (E920)	-	-	-	1	-	-	-	-
	Explosion of pressure vessel (E921)	-	-	-	-	1	-	-	-
	Firearm missile (E922)	1	2	3	2	4	-	2	-
	Explosive material (E923)	3	1	2	-	1	-	-	-
	Hot substance or object, caustic or corrosive material and steam (E924)	1	-	2	-	1	-	2	-
	Electric current (E925)	3	1	2	1	3	1	2	1
	Overexertion and strenuous movements (E927)	-	-	1	-	-	-	-	-
	Other and NOS environmental causes (E928)	1	-	-	-	-	1	1	-
E929	Late Effects of Accidental Injury	1	2	1	3	4	3	3	3
E930-E949	Substances Causing Adverse Effects In Therapeutic Use								
	Hormones and synthetic sub (E932)	1	-	-	-	-	-	-	-
	Analgesics, antipyretics and antirheumatics (E935)	-	-	1	-	-	-	-	-
	Other CNS depressants (E938)	-	1	-	-	-	-	-	-
	Psychotropic (E939)	-	1	-	-	-	-	-	-

Cause of Accident		1982 Male	1982 Female	1983 Male	1983 Female	1984 Male	1984 Female	1985 Male	1985 Female
	Water, mineral, and uric acid metabolism drugs (E944)	-	-	-	-	-	-	-	1
	Affecting skin mucous ophthalmological, otorhinolaryngological (E946)	-	-	1	-	-	-	-	-
	Other and NOS drugs and medicaments (E947)	-	-	-	-	1	1	-	-
	Other vaccine, biological substance (E949)	-	-	-	-	-	1	-	-
E950-E959	Suicide and Self Inflicted Injury								
	Poisoning by solid or liquid substances (E950)	8	10	5	13	10	10	9	8
	Poisoning by gases in domestic use (E951)	-	-	1	-	-	-	-	-
	Poisoning by other gases and vapours (E952)	14	-	12	3	20	4	13	3
	Hanging, strangulation & suffocation (E953)	45	6	33	5	28	3	21	8
	Submersion (E954)	1	1	1	1	7	2	4	1
	Firearms and explosives (E955)	73	8	66	2	48	1	53	7
	Cutting and piercing instruments (E956)	4	-	2	1	1	-	2	-
	Jumping from high place (E957)	1	1	-	-	-	-	-	-
	Other and unspecified means (E958)	1	-	1	-	1	1	4	-
	TOTAL DEATHS DUE TO ACCIDENTS AND SUICIDE	528	177	460	159	440	174	440	176

Saskatchewan Health

Appendix B

Saskatchewan



Hospitalized Accident Cases* and Patient Days
Saskatchewan, 1984-85

Type and Cause of Accident	Cases		Patient Days
	Number	Rate+	
E800-E807 - Railway Accidents	10	0.97	62
E810-E819 - Motor Vehicle Traffic Accidents			
Collision with train (E810)	16	1.55	84
Re-entrant collision with another motor vechicle (E811)	6	0.58	49
Collision with another motor vechicle (E812)	499	48.49	3,353
Collision with other vehicle (E813)	74	7.19	307
Collision with pedestrian (E814)	210	20.40	2,052
Other collision, highway (E815)	55	5.34	260
Noncollision due to loss of control, highway (E816)	595	57.82	3,092
Noncollision motor vehicle traffic accident while boarding or alighting (E817)	40	3.88	463
Other noncollision (E818)	157	15.25	690
Unspecified nature (E819)	530	51.50	4,480
E820-E825 - Motor Vehicle NonTraffic Accidents			
Motor driven snow vehicle (E820)	154	14.96	732
Other off-road motor vehicle (E821)	97	9.42	465
Collision with moving vehicle (E822)	13	1.26	57
Collision with stationary object (E823)	18	1.74	95
Other motor vehicle nontraffic accident while boarding or alighting (E824)	13	1.26	213
Other motor vehicle nontraffic accident of other and unspecified nature (E825)	82	7.96	406
E826-E829 - Other Road Vehicle Accidents			
Pedal cycle accident (E826)	253	24.58	837
Animal drawn vehicle accident (E827)	6	0.58	28
Accident involving animal being ridden (E828)	174	16.91	696
Other road vehicle accidents (E829)	4	0.38	23
E830-E838 - Water Transport Accidents			
Board with submersion (E830)	1	0.09	1
Other accidental submiersion or drowning (E832)	2	0.19	16

Type and Cause of Accidents	Cases Number	Rate+	Patient Days
Other and unspecified fall in water transport (E835)	3	0.29	19
Machinery accident in water transport (E836)	1	0.10	1
Other and unspecified (E838)	6	0.58	50
E840-E845 - Air & Space Transport Accidents			
Powered aircraft, other, unspecified (E841)	1	0.09	4
Accident to unpowered aircraft (E842)	2	0.19	67
Fall in, or from aircraft (E843)	1	0.10	2
Other specified air transport accidents (E844)	2	0.19	13
E846-E848 - Vehicle Accidents not Elsewhere Classifiable			
Accidents involving powered vehicles used solely within the building and premises of an industrial or commercial establishment (E846)	2	0.19	29
Accidents involving other vehicles not elsewhere classifiable (E848)	18	1.74	99
E850-E858 - Accidental Poisoning, Drugs, Medicaments, Biologicals			
Analgesics, antipyretics, antirheumatics (E850)	134	13.02	266
Barbiturates (E851)	6	0.58	52
Accidental poisoning by other sedatives and hypnotics (E852)	18	1.74	56
Accidental poisoning by tranquilizers (E853)	37	3.59	78
Accidental poisoning by other psychotropic agents (E854)	9	0.87	31
Accidental poisoning by other drugs acting on central and autonomic nervous systems (E855)	10	0.97	22
Accidental poisoning by antibiotics (E856)	8	0.77	37
Accidental poisoning by anti-infectives (E857)	2	0.19	16
Other drugs (E858)	203	19.72	559
E860-E869 - Accidental Poisoning by Other Substances			
By alcohol, not elsewhere classifiable (E860)	29	2.81	50

Type and Cause of Accidents	Cases Number	Cases Rate+	Patient Days
Cleansing and polishing agents, disinfectants, paints and varnishes (E861)	15	1.45	21
Petroleum, other solvents, vapours, NEC (E862)	58	5.63	100
Agricultural, horticultural, pharmaceutical substances (E863)	53	5.15	74
Corrosives and caustics, NEC (E864)	11	1.06	19
Foodstuffs and poisonous plants (E865)	23	2.23	55
Other and unspecified solid and liquid substances (E866)	30	2.91	70
Gas distributed by pipeline (E867)	2	0.19	3
Other utility gas and other carbon monoxide (E868)	27	2.62	77
Other gases and vapours (E869)	14	1.36	17
E870-E876 - Misadventures to Patients During Surgical and Medical Care			
Accidental cut, puncture, perforation or haemorrhage (E870)	162	15.74	1,708
Foreign object left in body during procedure (E871)	6	0.58	70
Failure of sterile precautions during procedure (E872)	62	6.03	977
Failure in dosage (E873)	5	0.49	57
Mechanical failure of instrument or apparatus during procedure (E874)	6	0.58	37
Other and unspecified misadventures during medical care (E876)	55	5.35	333
E878-E879 - Surgical and Medical Procedures as the Cause of Abnormal Reaction of Patient or Later Complication, Without mention of Misadventure at the time of the Procedure			
Surgical operation and other surgical procedures as the cause of abnormal reaction of patient, without mention of misadventure at the time of the operation (E878)	2,440	237.13	27,821
Other procedures (E879)	619	60.15	6,232
E880-E888 - Accidental Falls			
On or from stairs or steps (E880)	671	65.21	4,470
On or from ladders or scaffolding (E881)	158	15.35	951
Fall from or out of building or other structure (E882)	85	5.63	704

Type and Cause of Accidents	Cases Number	Cases Rate+	Patient Days
Fall into hole or other opening in surface (E883)	41	3.98	208
Other fall from one level to another (E884)	976	94.85	7,243
Fall on same level from slipping, tripping or stumbling (E885)	1,660	161.32	14,487
Fall on same level from collision, pushing or shoving, by or with other person (E886)	197	19.14	704
Fracture, cause unspecified (E887)	395	38.38	10,849
Other and unspecified (E888)	1,860	180.76	26,751
E890-E899 - Accidents Caused by Fire & Flames			
Conflagration in private dwelling (E890)	16	1.55	157
Conflagration in other and unspecified building or structure (E891)	6	0.58	22
Conflagration not in building or structure (E892)	3	0.29	69
Ignition of clothing (E893)	7	0.68	103
Ignition of highly inflammable material (E894)	41	3.98	587
Controlled fire in private dwelling (E895)	16	1.55	68
Accidents caused by controlled fire in other and unspecified building or structure (E896)	1	0.10	4
Controlled fire not in building or structure (E897)	7	0.68	121
Other specified fire & flames (E898)	14	1.36	73
Unspecified fire (E899)	37	3.59	665
E900-E909 - Accidents Due to Natural and Environmental Factors			
Excessive heat (E900)	41	3.98	160
Excessive cold (E901)	124	12.05	1,350
Hunger, thirst, exposure, neglect (E904)	7	0.68	110
Poisoning, toxic reactions (E905)	26	2.52	46
Other injury caused by animals (E906)	174	16.91	753
Lightning (E907)	1	0.09	4
E910-E915 - Accidents, Submersions, Suffocation and Foreign Bodies			
Accidental drowning or submersion (E910)	34	3.30	119
Inhalation and ingestion of food causing respiratory obstruction (E911)	52	5.05	154

Type and Cause of Accidents	Cases Number	Rate+	Patient Days
Inhalation and ingestion of other object causing obstruction or respiratory tract or suffocation (E912)	25	2.42	126
Accidental mechanical suffocation (E913)	3	0.29	42
Foreign body accidentally entering eye and adnexa (E914)	43	4.17	149
Foreign body accidentally entering other orifice (E915)	177	17.20	580
E916-E929 - Other Accidents			
Struck by falling object (E916)	127	12.34	566
Striking against or struck by objects or persons (E917)	1,100	106.90	3,594
Caught in or between objects (E918)	111	10.78	431
Caused by machinery (E919)	333	32.36	2,208
Cutting or piercing instruments (E920)	457	44.41	1,855
Caused by explosion of pressure vessel (E921)	13	1.26	84
Firearm missile (E922)	62	6.02	558
Caused by explosive material (E923)	38	3.69	376
Hot substance or object, caustic or corrosive material & steam (E924)	251	24.39	2,346
Electric current (E925)	27	2.62	123
Exposure to radiation (E926)	19	1.85	182
Overexertion and strenuous movement (E927)	566	55.00	2,547
Other and unspecified environmental and accidental causes (E928)	572	55.58	5,177
E929 Late Effects of Accidental Injury	583	56.65	4,947
E930-E949 - Drugs, Medicaments & Biological Substances Causing Adverse Effects in Therapeutic Use			
Antibiotics (E930)	163	15.84	1,309
Other anti-infectives (E931)	52	5.05	372
Hormones and synthetic substitutes (E932)	102	9.91	997
Primarily systemic agents (E933)	63	6.12	388
Agents primarily affecting blood constituents (E934)	60	5.83	580
Analgesics, antipyretics and antirheumatics (E935)	134	13.02	1,031
Anticonvulsants & anti-parkinsonism drugs (E936)	28	2.72	250
Other central nervous system depressants (E938)	83	8.07	487

Type and Cause of Accidents	Cases Number	Cases Rate+	Patient Days
Sedatives and hypnotics (E937)	10	0.97	78
Psychotropic agents (E939)	61	5.92	493
Drugs primarily affecting the autonomic nervous system (E941)	12	1.17	91
Agents primarily affecting the cardiovascular system (E942)	219	21.28	2,352
Agents primarily affecting gastrointestinal system (E943)	17	1.65	145
Water, mineral, and uric acid metabolism drugs (E944)	56	5.44	576
Agents primarily acting on the smooth and skeletal muscles and respiratory system (E9445)	29	2.82	211
Agents primarily affecting skin and mucous membrane, opthalmological, otorhinolaryngological and dental drugs (E946)	40	3.89	351
Other and unspecified drugs and medicaments (E947)	59	5.73	462
Bacterial vaccines (E948)	6	0.58	28
Other vaccines and biological substance (E949)	3	0.29	14
E950-E959 - Suicide & Self Inflicted Injury			
By solid or liquid substances (E950)	884	85.91	2,445
Poisoning by other gases and vapours (E952)	6	0.58	78
Hanging, strangulation, and suffocation (E953)	5	5.34	14
Firearms & explosives (E955)	20	1.94	135
Cutting & piercing instruments (E956)	37	3.59	189
Other and unspecified means (E958)	5	0.48	39
Late effects of selfinflicted injury (E959)	15	1.45	165
Total All Causes (E800 - E959)	20,415	1,984.03	167,686

Source: Hospital Services Branch

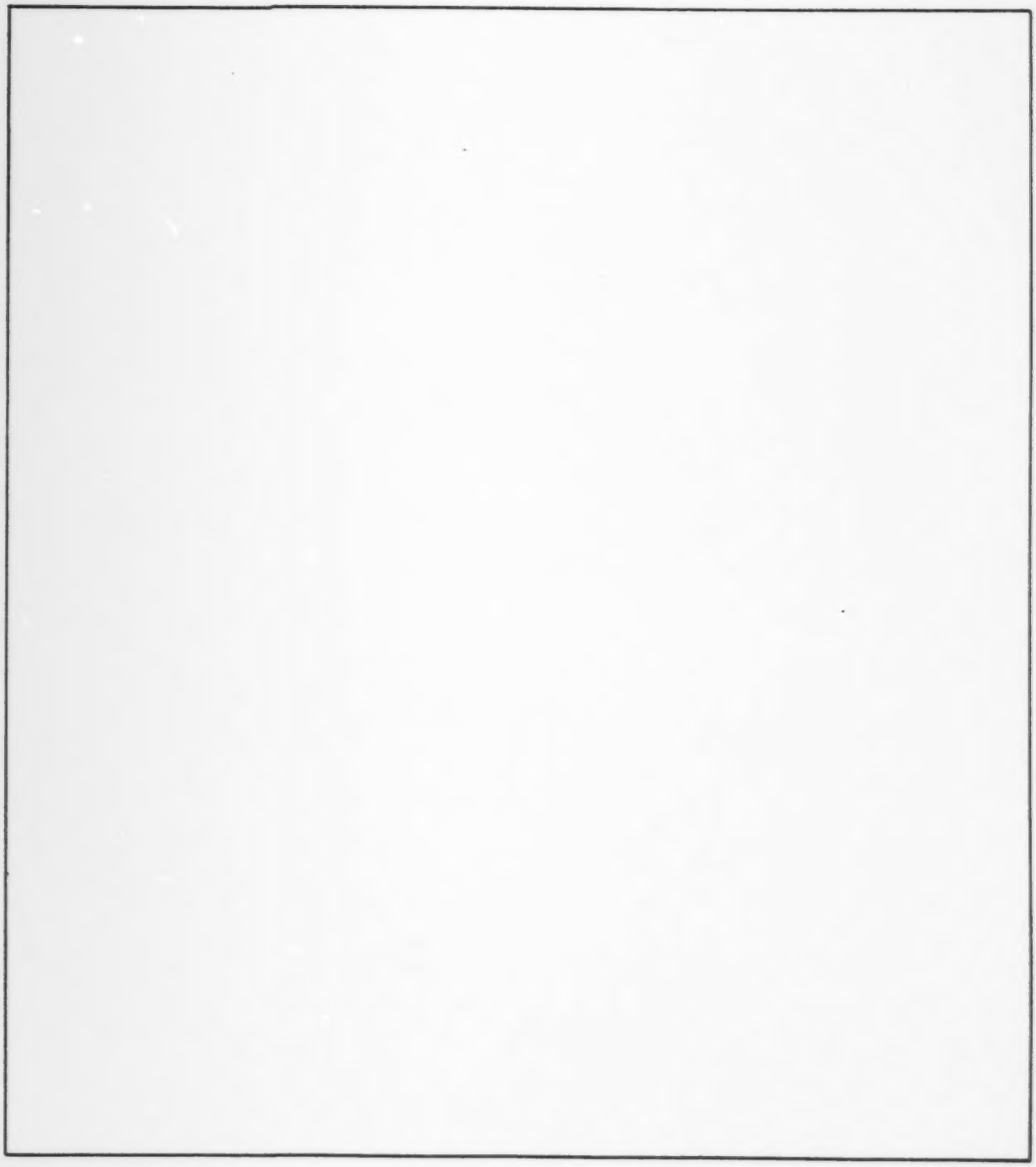
* Excludes cases not covered by the Hospital Services Branch. This table shows data for the period April 1, 1984 - March 31, 1985.

\+ Rate per 100,000 population (HIR Covered Population)

Saskatchewan Health

Accident Classifications

Saskatchewan



EXPLANATION OF CATEGORIES USED IN THIS BOOK

The categories used to describe accidents are summaries of classifications found in hospital and mortality data.

The classifications used are the International Classification of Disease codes for external cause of injury (E codes - E800 - E959, ICD 9th Revision).

The following explanations are intended to clarify what could be included under the headings used, although specific ICD codes are not always listed under the same groups.

Motor Vehicle Accidents (E810 - E825)

Includes collision and non-collision accidents involving a car, truck, bus, construction or farm machine while in transport under its own power, motorcycle or snowmobile.

Includes collision between any of these motor vehicles and a pedestrian, bicyclist, rider of animal or occupant of a non-motorized vehicle.

Includes accidents occurring on a public highway (traffic accident) and elsewhere (non-traffic accident).

Fires (E890 - E899)

Includes injuries caused by fires and flames.

Drowning (E830, E832, E910)

Includes submersion in boating accident, while swimming, falling through ice, or drowning in bath.

Suffocation (E911 - E913)

Includes suffocation or choking on food or other object, mechanical suffocation by smothering or strangulation.

Poisoning (E850 - E858, E860 - E869)

Includes accidental injestion or overdose of drugs or other substances, gases and vapours.

Other Transportation (E800 - E807, E826 - E829, E831, E833 - E838, E840 - E845, E846 - E848)

Includes bicycle accidents where no motor vehicle is involved. Animal drawn and other non-motorized vehicles. Railway and air accidents and water transportation accidents other than submersion.

Cutting Objects (E920)

Includes broken glass, nails, hand tools, powered hand tools, lawn mowers, meat slicer, saws and other sharp objects.

Hot Substance or Object (E924)

Includes acids, hot liquids, molten metal, heat from electric appliance, without fire.

Overexertion and Strenuous Movement (E927)

Includes exhaustion, injury in bending, straining or twisting, lifting, pulling or pushing.

Falls (E880 - E888)

Accidental falls including falls on stairs, while running, slipping, and so on.

Struck Against or by Persons or Objects (E917)

Including collision with person, stationary object, or moving object (other than motor vehicle or objects elsewhere classified).

Foreign Objects (E914 - E915)

Foreign body entering an eye, ear, nose or other orifice. Including dust, oil or object (not food) which causes injury other than suffocation.

Natural Factors (E900 - E909)

Including excessive heat and cold, exposure, animal bites, insect bites and catastrophic floods or earth movement.

Suicide and Self-inflicted Injury (E950 - E959)

Includes injuries in suicide and attempted suicide.

Other Accidents (E870 - E879, E916, E918, E919, E921 - E923, E928, E929, E930 - E949)

Includes misadventures to patients during surgical and medical care, struck accidentally by falling object, caught accidentally in or between objects, accidents caused by machinery, accidents caused by explosion of pressure vessel, firearm missile and explosive material, late effects of accidental injury and drugs, medicaments and biological substances causing adverse effects in therapeutic use.